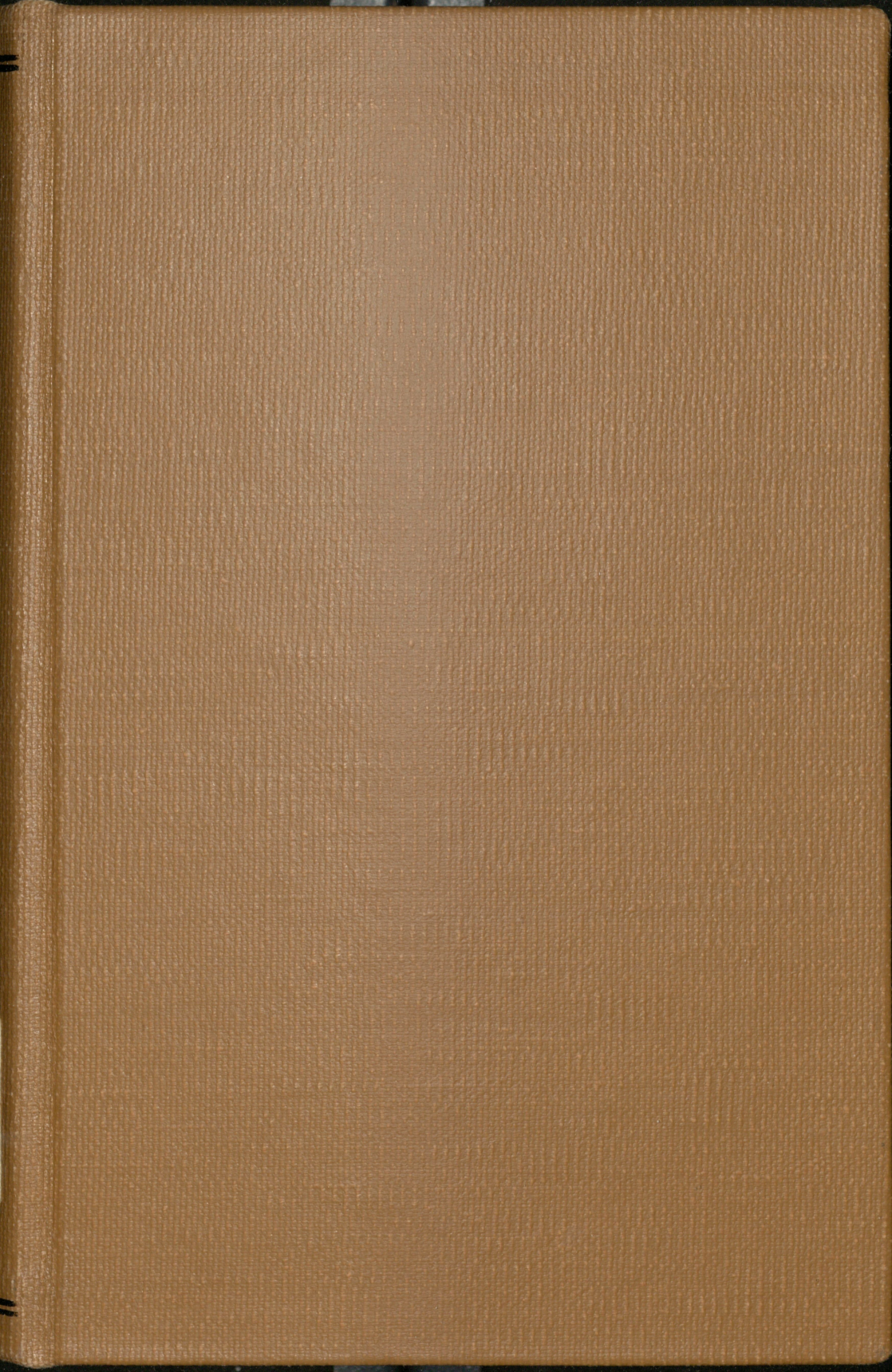
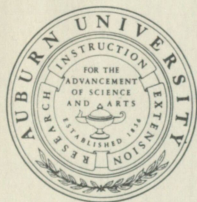




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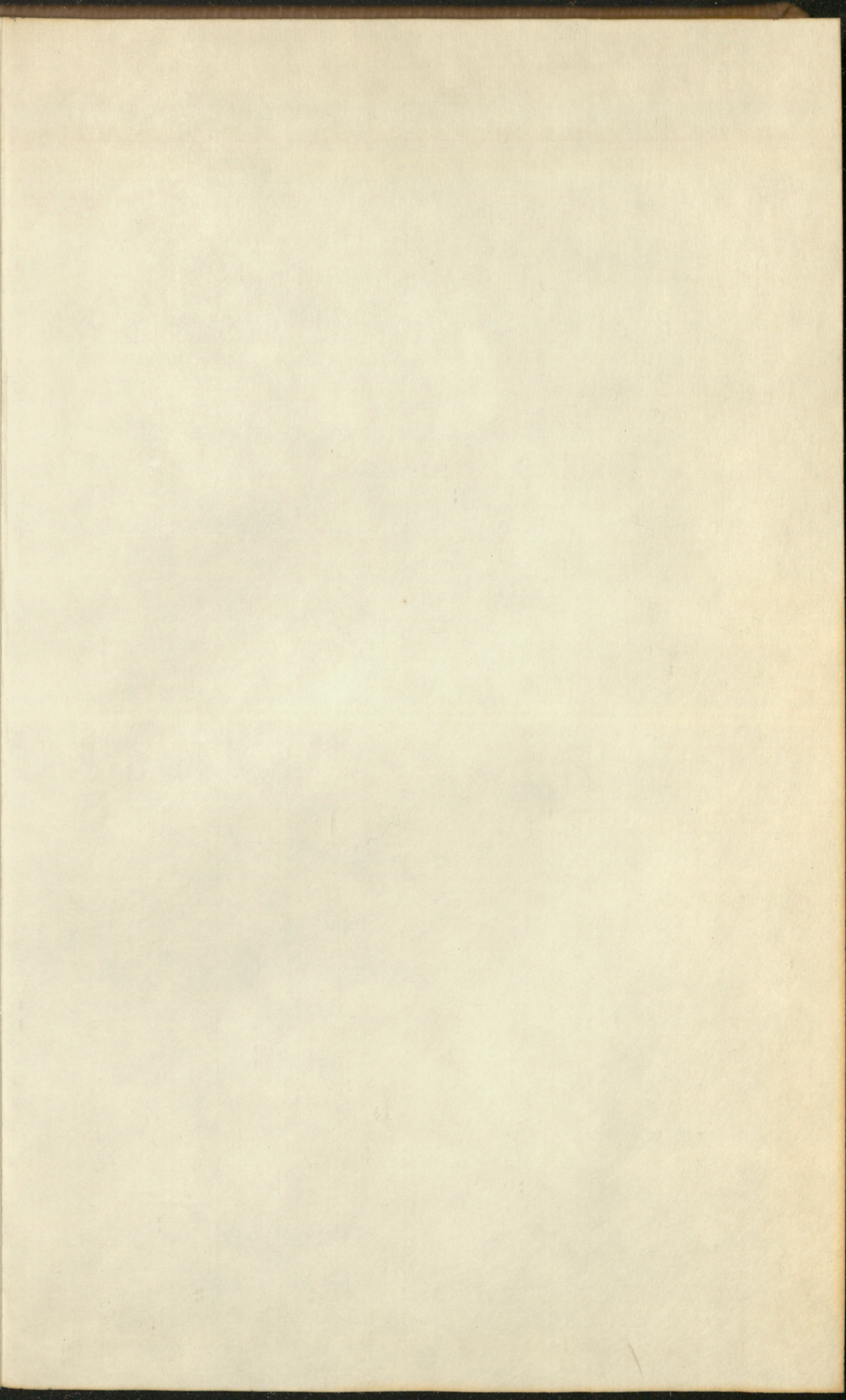
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GEOLOGICAL SURVEY OF ALABAMA

WALTER B. JONES, STATE GEOLOGIST (ON LEAVE)

BULLETIN 50

WELL LOGS OF ALABAMA

BY

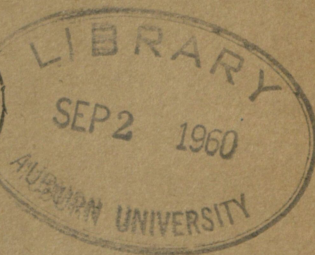
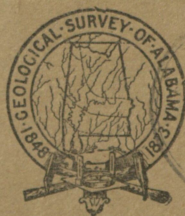
EDGAR BOWLES

with the

Oil and Gas Conservation Law of Alabama

and the

Rules and Regulations of the State Oil and Gas Board



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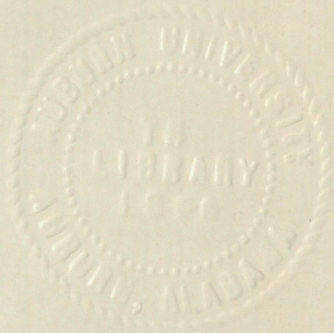
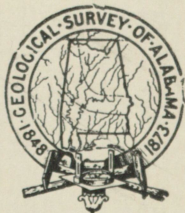
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GEOLOGICAL SURVEY OF ALABAMA
WALTER B. JONES, STATE GEOLOGIST (ON LEAVE)

BULLETIN 50
WELL LOGS OF ALABAMA

BY
EDGAR BOWLES

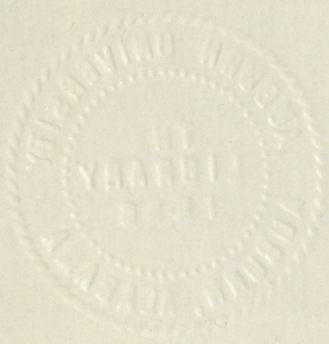
with the
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LETTER OF TRANSMITTAL

University, Alabama

May 15, 1941

Honorable Frank M. Dixon,
Governor of Alabama,
Montgomery, Alabama.

Sir:

I have the honor to transmit herewith the manuscript of a report on "Well Logs of Alabama", by Edgar Bowles, which is to be published with the "Oil and Gas Conservation Law of Alabama" and the "Rules and Regulations of the State Oil and Gas Board". It is requested that these be printed as Bulletin 50 of the Geological Survey of Alabama.

Respectfully,

STEWART J. LLOYD.

Asst. State Geologist.

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INTRODUCTION

In 1929 the Geological Survey of Alabama published its Special Report 15, "Oil and Gas in Alabama" by Douglas R. Semmes. This report, covering as it does the entire state and carrying all the records of well drilling that were available at that time, has been in great demand, especially since the renewed activity in oil and gas prospecting in Alabama during the past three years. The present bulletin does not intend to unnecessarily duplicate the material contained in Special Report 15 and since this earlier publication contains descriptions of the counties and the general geologic features of the state I have omitted such text in this report.

The well logs contained in this bulletin are all that are available at present. Some of these were previously published in Special Report 15 and are included here for the sake of completeness.

Alabama is usually divided into eight geological provinces. An outline map of the state showing the general distribution of these provinces is shown in Figure 1.

Province 1. Impossible territory for oil and gas. This area is the Piedmont or Crystalline area of the state where the rocks are composed of schists, granites and gabbros so highly metamorphised that no oil or gas accumulation is possible.

Province 2. This area represents the southern extension of the folded Appalachian Mountains, composed of Paleozoic rocks so highly folded as to give little chance for oil accumulation. It is possible, though not probable, that this territory may yield gas.

Province 3. This province comprises the plateau region and the Tennessee Valley. It is this area that has received the most intensive exploration for oil and gas during the past three years. A great number of wells have been drilled in this area and more will undoubtedly be drilled in the future. The Paleozoic sediments in the area are usually undisturbed and have but slight dip. Many small domes have been mapped but none, so far, has proved productive.

Province 4. This area is geologically very similar to Province 3, but here the Paleozoic sediments are concealed by a heavy cover of sands, gravels and clays of Cretaceous age. One of the several difficulties encountered by oil men in this province is that prospecting is rendered extremely difficult, due to the fact that no outcrops of Paleozoic rocks of the petroliferous series are present and surface geology is practically an impossibility. Some companies report great difficulties in obtaining geophysical data but others say that sismograph prospecting is quite possible in the area if careful study and correlation of the reflections are made.

Province 5. This area is really a continuation of Province 2 but here again the underlying Paleozoic sediments are covered by surficial Cretaceous gravels and clays. This area is a very doubtful one for oil accumulation since the sediments are highly folded and somewhat metamorphosed by heat and pressure. Gas may be present but there is no evidence of this.

Province 6 is very doubtful territory. Here the metamorphic rocks of Province 1, the Piedmont or Crystalline area, are covered by a comparatively thin series of Cretaceous sediments, and it is doubtful whether these sediments are petroliferous. Some wells drilled in the area indicate the possible Cretaceous cover and the basement complex, but these have not been sufficiently tested to permit an evaluation of their petroleum possibilities.

Province 8. Very similar to Province 7 but here the surface is represented by very recent unconsolidated material which makes surface geological prospecting almost impossible. Petroliferous horizons in this region are probably comparatively deeply buried and much deeper drilling than has heretofore been carried on will certainly be necessary to establish the oil possibilities of the area.

It is hoped that the following list of well logs which are arranged more or less geographically by counties following the numbering of the well locations on the map, will be of assistance to those interested in the oil and gas development of the state.

Province 7. Rather favorable territory. Here the Cretaceous is well covered by Tertiary sediments dipping gently to the south, and at least one prominent structure appears.

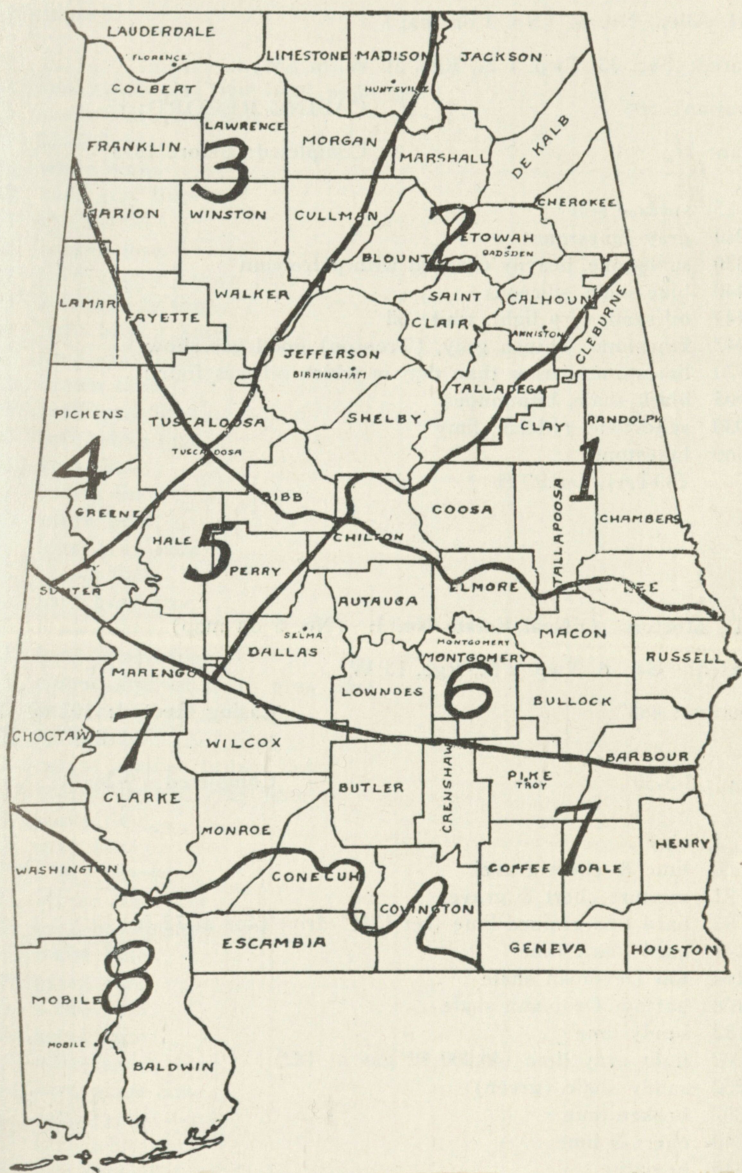


Figure 1

LAUDERDALE COUNTY

T. H. Allen, No. 2--(No. 3 on map)

Located: Sec. 33, Twp. 1 S., Rge. 10 W. in SW/4.

Elevation: 586'

CASING RECORD: ??

Began: ??

Completed: Before 1893

0- 15 surface soil
240 gray limestone
330 sandstone, heavily charged with petroleum
440 blue shale, siliceous
444 oil sand, very light, white oil
447 limestone, whitish gray, (Trenton) good gas show
870 limestone, darker than that in which oil was found
905 black shale, bituminous
930 sandstone, reddish, limy
1460 limestone
TOTAL DEPTH

A. D. Morton. O'Neal Estate No. 1. (No. 5 on map)

Located: Sec. 8, Twp. 2 S., Rge. 13 W.

Elevation: 463'

Casing Record: 10" @ 745'
8½" @ 2060'

Began: 3-3-30

Completed: 9-26-30

0- 5 clay
60 lime & chert gravel
71 mixture chert & gravel
92 hard fine grained lime (set 12½" drive pipe at 72 ft.)
146 hard black lime
164 top Devonian shale
168 bottom Devonian shale
182 sandy lime
202 light gray lime (40,000 ft. gas at 182)
232 sandy shale (green)
307 broken lime
340 chert & lime
346 hematite
350 hard lime
426 hematite
438 white lime
508 sandy slate and lime

A. D. Morton. O'Neal Estate No. 1. (No. 5 on map)

(Continued)

514	sandy slate and lime hard, some gas
526	sandy slate and lime
547	black lime
553	white lime
620	hard gray lime
630	black lime
665	broken line
680	hard cherty brown lime
725	hard cherty lime
740	light brown lime
745	hard gray lime
755	brown lime
775	hard gray lime
780	hard white lime
795	gray lime
815	brown lime
835	white lime
850	hard gray lime
865	brown lime
910	hard gray lime
935	brown lime
945	hard brown lime
975	coarse grained flinty gray lime
1050	gray limestone
1055	white lime
1075	coarse grained brown lime
1145	coarse grained gray lime
1155	white lime
1185	gray lime
1200	white limestone
1230	brown limestone
1270	hard brown lime
1300	white lime
1320	green lime
1330	white lime
1355	green lime
1365	white sandy lime
1440	hard white lime
1460	hard brown lime
1470	hard white lime
1480	fine grained hard brown lime
1530	fine grained hard brown lime
1550	brown limestone
1605	gray limestone

A. D. Morton. O'Neal Estate No. 1. (No. 5 on map)

(Continued)

- 1615 white limestone
- 1625 light brown lime
- 1640 white limestone
- 1655 water sand, blue
- 1670 soft blue water limestone
- 1705 soft coarse white lime
- 1715 hard fine white lime
- 1750 hard brown lime
- 1760 brown limestone
- 1780 white limestone
- 1795 brown lime
- 1800 hard fine lime, white
- 1820 gray limestone
- 1825 white lime
- 1835 brown lime (sulphur water at 1842')
- 1860 hard white lime
- 1908 hard brown lime
- 1915 hard brown lime
- 1925 hard gray limestone
- 1940 light brown limestone
- 1952 hard white limestone
- 1962 fine grain hard white lime
- 1968 light brown limestone
- 1975 hard white lime
- 1980 white limestone
- 1985 hard fine grained gray lime
- 1997 hard white lime with sulphur water
- 2003 hard white limestone with sulphur water
- 2010 fine grain white limestone
- 2015 fine grain steel gray limestone
- 2021 water sand settling in bailer
- 2037 fine grain hard white limestone
- 2045 hard white lime
- 2060 light brown lime, set 8½" casing with eight joints of 6½" on bottom at 2060 feet
- 2100 fine white lime
- 2115 fine grain gray lime
- 2125 coarse grained gray lime
- 2140 brown limestone
- 2160 fine grained white limestone
- 2200 gray limestone
- 2265 flaky gray lime
- 2280 light brown limestone
- 2310 gray flaky limestone

A. D. Morton. O'Neal Estate No. 1. (No. 5 on map)
(Continued)

2325	hard fine brown lime
2345	brown limestone
2365	flaky gray lime
2390	flaky white limestone
2420	gray limestone
2470	gray lime with shells in it
2475	gray limestone
2490	fine grain white lime with water at 2475
2505	hard white lime
2515	gray medium lime
2525	brown and white lime
TOTAL DEPTH	

MADISON COUNTY

New York-Alabama Co. ?(West Huntsville) No. 2 (No. 18 on map)

Located: Near Center of SE/4, Sec. 3, Twp. 4 S., Rge. 1 W.

Began: ? ?

Completed: 1925

Elevation: ? ?

Casing Record: ? ?

0- 28 soil

112 gray, conglomeratic lime, very hard (Samples from 0-60 ft. soil and weathered cherty limestone)

163 bluish, bastard lime, drilled easily (Samples 130-160 ft., blue limestone))

170 black shale, mixed with sulphur soft

268 dark gray broken lime, drilled easily (Samples 160-240 ft., fine-grained blue limestone.)

275 pink, soft rock

287 dark gray rotten lime, soft, show of oil

289 light gray, hard shale drilled slow

293 light gray bastard lime and sand mixed; gas capacity 200,000 cu. ft. daily.

1069 light and dark gray broken lime, streaks of sand (Samples 240-300 ft., fine-grained, blue and white limestone.) (Samples 300-310 ft. medium-grained blue limestone) (Samples 310-380 ft. fine-grain blue limestone.)

2432 light gray "conglomeratic lime" (Sample 1300 ft. light gray very siliceous limestone, with brown grains of chert.) (Sample 1810 ft., same as last sample.)

2470 sample at 2470 pure fine-grained gray limestone

2520 gray cherty limestones. (Samples 2488-2490, gray and light gray cherty limestone.) (Sample 2500, light gray cherty limestone.) (Sample 2505, dark gray limestone, very pure.) (Sample 2510-2515, light gray and gray slightly siliceous limestone) (Sample 2530, chert).

2531 ½ limestones (Sample 2521, siliceous limestone) (Samples 2522, brown chert.) (Sample 2523, light brown shale) (Sample 2524 light blue and gray chert and limestone) (Sample 2525-2526 almost white limestone.) (Sample 2527, yellow limestone finely pulverized.) (Sample 2528, brown and gray siliceous limestone, with showing of heavy black oil) (Samples 2529-2531, same as last sample.)

2542 well abandoned on account of very heavy flow of water.

TOTAL DEPTH.

SUMMARY:

163 Base Lauderdale

163 Top Chattanooga

170 Top Silurian

275 Top Chickamauga

New York-Alabama Oil Company,—Morbet No. 1, (No. 21 on map)

Located SW NW Sec. 33, Twp. 1 S., Rge. 2 E.

Began: ???

Completed: 1890

Elevation: ??

Casing Record: ??

0- 8 Soil

33 cherty rocks, Warsaw limestone

63 limestone and chert, Warsaw limestone

81 black shale, Chattanooga

83 gray sandstone, Devonian

1048 limestone and shales, Silurian and Ordovician

Total Depth—1077

COLBERT COUNTY

P. H. Ligon, Fee No. 1 (No. 44 on map)

Located: In SW/corner, Sec. 7, Twp. 5 S., Rge. 10 W.

Began: ?

Completed 1911-1912

Elevation

Casing Record: 8" @ 81'; 6¼" @ 375'

- 0- 30 sand and yellow clay mixed.
- 45 gray lime
- 51 crevice, gravel
- 63 gray lime
- 67 crevice, gravel
- 81 gray lime—set 8" pipe.
- 95 white lime
- 100 gray lime
- 130 white lime
- 133 gray lime
- 146 white lime
- 150 brown lime
- 162 pinkish white lime
- 166 gray lime water
- 200 brown lime water
- 375 brown, gray and blue lime
very hard and gritty; set 6¼" pipe.
- 428 greenish black lime
- 475 black shale
- 483 green shale
- 495 light green lime
- 505 pinkish white lime
- 552 red soft lime
- 595 gray soft lime
- 600 dark green lime
- 675 slate
- 685 slate
- 690 gray soft lime
- 705 slate
- 718 gray lime
- 742 slate
- 800 slate with traces of lime
- 810 white lime
- 822 light brown lime
- 830 dark brown lime—good show of oli.
- 857 hard brown lime
- 886 brown lime—show of oil
- 920 light brown lime
- 944 white soft lime
- 949 mixed lime

P. H. Ligon, Fee No. 1 (No. 44 on map)
(Continued)

1017 white soft lime change often
1300 gray and brown lime
1400 gray lime
1456 brownish lime change often
1510 gray and brown lime, change often
1520 white lime gritty
1535 brown lime—show of oil
1540 gray lime, flinty
1577 gray lime hard gritty

TOTAL DEPTH

Well drilled about 1911-1912—Bottom of hole 1577'
Top of Trenton 800'
Top of Knox ?

NOTE: This log somewhat resembles that of the Spring Valley well in Section 12, Twp. 5 S., Rge. 11 W., as shown on Page 75 of Special Report 15.

Livingston Oil Company, Chisca No. 1 (No. 45 on map)

Located: In NW/4 of NW/4 Sec. 28, Twp. 3 S., Rge. 14 W.

Began: ?

Completed: 1921

Elevation: 600' plus

Casing Record: ?

0- 5 clay, red soft.
50 red soft cave
65 white hard lime
70 white hard sand
77 blue hard flint
105 white hard lime
175 gray hard lime
182 white hard flint
194 gray hard lime
230 gray hard lime
302 lime and flint, black
380 black lime
383 flint blue
403 black hard lime
416 black hard lime
421 white hard sand

Livingston Oil Company, Chisca No. 1 (No. 45 on map)
(Continued)

440 blue hard shale and lime
465 blue hard flint and lime
480 lime
531 lime
535 shale
541 lime
586 lime shells and blue shale
604 blue shale
659 lime
667 shale
690 lime
707 white hard lime
751 lime
828 lime and shale
855 lime

TOTAL DEPTH 1800' D&A (Part log)

Dr. R. L. Montgomery, et al—Spring Valley No. 1 (No. 46 on map)

Located: SE/Cor. of SE/4, Sec. 12, T. 5 S., R. 11 W.

Began: ?

Completed: 4-30-24

Elevation: 491 ft.

Csg. Record: 8- $\frac{1}{4}$ " @ 81'
6- $\frac{3}{4}$ " 375'

0- 30 soil
45 gray lime
51 crevice filled with gravel
63 gray lime
67 crevice gravel
81 gray lime
95 white lime
100 gray lime
130 white lime
133 gray lime
146 white lime
150 brown lime
162 pinkish white lime
166 gray lime, gritty
200 brown lime, some water
235 gray lime, gritty

Dr. R. L. Montgomery, et al—Spring Valley No. 1 (No. 46 on map)
(Continued)

240 sandy lime
244 hard brown lime
275 gray and black lime
375 gray and black lime
428 greenish black lime
475 black shale (Devonian)
483 green shale
495 light green lime
505 pinkish white lime
552 red soft lime
592 gray soft lime
600 dark green lime
675 gray lime
685 slate
690 gray lime
705 slate
718 gray lime
742 slate
800 slate, thin sheets, and lime
810 white lime
830 brown lime
920 brown lime
944 white soft lime
949 gray lime
1000 white and gray lime

TOTAL DEPTH

SUMMARY

0- 150 Tuscumbia
150- 428 Fort Payne
428- 475 Chattanooga
475- 552 Silurian
552-1000 Trenton

F. F. Mellen & Raymond Gear—Mrs. W. B. Alsobrook No. 1 (No. 47 on map)

Located: 660'E and 330'N of SW/Cor. of NW/4, Sec. 10, T. 4 S., Rge. 15 W.

Began: 8-16-1940

Completed: 9-23-1940

Elevation: 515'

Csg. Record: 10" @ 44'; 8" @ 47'

0-	5	surface
	44	gray lime
	45.5	chert cave
	75	gray lime
	95	brown lime
	112	gray lime
	115	brown flinty lime
	119	water sand
	130	light brown lime
	145	dark brown lime
	205	gray lime
	284	brown lime
	315	dark brown lime
	322	dark gray lime
	375	dark brown lime
	401	dark gray lime
	440	black lime
	444	green shale
	450	green and black shale
	456	black sandy shale
	480	gray sandy lime
	544	blue lime
	565	dark gray lime
	580	blue lime
	672	dark gray lime
	693	gray shale
	725	red rock
	736	green shaly lime and red rock mixed
	761	pinkish lime
	773	red rock and green shale
	785	pinkish lime
	798	red rock
	1018	dark gray lime
	1047.5	brown lime

TOTAL DEPTH—1679' PART LOG

F. F. Mellen & Raymond Gear—Mrs. W. B. Alsobrook No. 1 (No. 47 on map)
(Continued)

SUMMARY

Top Tuscombina	7'
Top Maury shale	440
Top Chattanooga blk. sh.	443
Top Brownsport	458
Top Wayne	687
Trenton	798-1018

REMARKS: Fresh water carried in cherty limestone above and below 100'. Static head remained at 70' until flow was shut off by running 8" casing. No other water encountered in well. Shows of gas in the Chattanooga shale and Devonian limestone from 444' to 475'. Odor of gas and oil (?) throughout the Trenton. On September 17, a hole was drilled through the wooden plug, which was driven in the mouth of casing, and a half-inch pipe was inserted. Gas from the Trenton burned with a clear odorless flame 12 to 15 inches high.

Operator: ? Sheffield No. 1 (No. 47 on map)

Located: Sec. 26, T. 3 S., R. 11 W.

Began: ?

Completed: June, 1902

Elevation : 534'

Casing Record: ?

0— 22	surface
282	blue limestone
291	Gordon sand, oil and gas
466	bastard lime and sand mixed
496	black shale—Chattanooga
1022	shale, lime and flint
1060	limestone, hard, capping second sand
1092	sand, very hard, some oil and gas
1550	limestone and flint

Total Depth — D&A

SUMMARY

0-466	Lower Mississippian
466-496	Devonian
496-1500	Silurian and Ordovician

FRANKLIN COUNTY

S. A. Hobson Co. — No. 1 J. L. Moss. (No. 54 on map)

Located: Sec. 26, Twp. 8 S., Rge. 14 W.

Began: ?

Completed: 1918

Elevation: 569'

Casing Record:

- 0- 10 soil
- 30 gumbo (black fire clay)
- 33 sandstone shell, hard
- 65 gumbo, black and soft
- 75 sandstone, slaty
- 88 gumbo, black
- 92 sandstone, light
- 95 blue fire clay
- 120 sandstone, green
- 132 shale, dark
- 136 limestone
- 146 red rock, soft
- 173 limestone
- 186 limestone, sandy
- 191 red rock, soft
- 279 limestone, sandy
- 281 slate, soft
- 291 red rock, soft
- 352 limestone, light pure
- 354 slate
- 370 limestone
- 372 slate
- 387 limestone, sandy
- 464 limestone
- 514 limestone, very hard
- 566 limestone, sandy, hard
- 584 slate, soft—salt water
- 591 sandstone
- 644 slate, limy
- 646 limestone
- 649 slate, soft
- 660 limestone
- 661 slate, soft
- 670 limestone
- 690 limestone, sandy
- 770 slate, limy
- 808 sandstone
- 845 sandstone (limy)—asphalt 775' to 808'
- 846 slate
- 872 sandstone, limy, with trace of asphalt

S. A. Hobson Co. — No. 1 J. L. Moss. (No. 54 on map)

(Continued)

- 921 limestone, sandy
- 931 sandstone, some lime
- 960 limestone, sandy
- 1018 slate, pure
- 1020 limestone shell
- 1082 slate, limy
- 1107 limestone
- 1120 sandstone, limy
- 1124 slate, limy
- 1128 limestone, sandy, show of gas
- 1140 limestone
- 1143 sandstone, show of oil
- 1252 limestone, very hard
- 1268 sandstone, limy
- 1272 limestone, dark, show of oil
- 1288 sandstone, limy
- 1368 limestone, sandy, very hard
- 1377 limestone, coarse-gray
- 1401 shale, dark, some lime
- 1443 lime, sandy, very hard
- 1518 limestone
- 1530 sandstone, light, limy
- 1600 limestone, very hard
- 1608 lime, slaty, soft
- 1739 lime, slaty, hard streaks
- 1762 slate, soft, limy
- 1773 limestone, hard
- 1812 red rock, limy
- 1820 red rock, blood red, changing to light at bottom of hole
- 1825 limestone, very white, crystalline
- 1841 shales, green and black
- 1876 limestone, dark gray, sandy
- 1896 shale, dark, limy, contains sand
- 1913 limestone, shaly, sandy, pyritiferous or chalcopyritiferous in last 2 ft.
- 1927 limestone, shaly, sandy pyritiferous or chalcopyritiferous in last 2 ft.
- 1937 shaly formation, conglomerate in appearance
- 1977 limestone and alternate shale
- 2016 shale, pyritiferous in places. Last 4' crystalline limestone with indication of oil
- 2937 limestone, crystalline, dense
- 2052 limestone, denser, with thin slate beds
- 2127 limestone, crystalline, massive in places
- 2240 limestone, with thin irregular beds of shale
- 2271 limestone, dark gray, massive

S. A. Hobson Co. — No. 1 J. L. Moss. (No. 54 on map)
(Continued)

2310	limestone, dark gray, massive, hard semi-crystalline
2321	limestone, dense, hard occasional thin beds of shale
2351	limestone, hard, white, dense
2467	limestone, dense, white greenish blue
2588	dolomite formation, fine grain
2609	dolomite formation, white strong ooze of oil for over 5'
	TOTAL DEPTH

SUMMARY

Coal Measures	0- 132
Pennington (?)	132- 387
Bangor	387- 770
Hartselle	770-1018
Tuscumbia & Fort Payne.....	1018-1377
Devonian	1377-1401
Niagara	1401-1600
Clinton	1600-1820
Clinton (?)	1820-2016
Trenton	2016-2467
Knox	2467-2609

Pittsburg Oil & Development Company—Hobson-Phinn No. 1 (No. 55 on map)

Located: About 300' SE of Hobson—Moss No. 1, Sec. 26, T. 8 S., R. 14 W.

Began: 4-17-1926

Completed: 1-8-1927

Elevation: 559'

Csg. Record: 10" @ 608'; 8" @ 1386'

0- 15	soil
24	dark shale
36	brown sand
38	water
49	dark slate
56	hard sand
64	white slate
73	slate
82	lime
97	sand
113	brown shale

Pittsburg Oil & Development Company—Hobson-Phinn No. 1 (No. 55 on map)
(Continued)

120	red rock
168	limestone
174	red rock
262	hard limestone
271	red rock, shaley
443	hard limestone
446	brown shale
559	limestone, cherty
563	soft shale
570	shale
577	sand
646	shale, soft
653	white lime
761	shale
820	Hartselle sand
834	sandy lime
839	slate
899	brown sandy lime, very hard
937	shaly limestone
988	hard sand
1070	shale, with two small streaks lime
1092	hard lime with some shale
1100	hard shaly limestone
1104	shale
1143	hard pure limestone
1153	limestone, hard
1181	lime
1236	chert
1361	hard cherty lime, white gray
1386	coal black shale
1390	black sandy shale
1406	white sandy limestone
1600	hard limestone
1674	cherty limestone
1698	shaly limestone
1714	pure lime
1745	shale, limestone
1764	hard limestone
1800	red rock
1808	gray marble
1858	black lime, hard streaks
2001	shaly, sandy limestone
2017	flinty limestone
2570	soft and hard limestone

Pittsburg Oil & Development Company—Hobson-Phinn No. 1 (No. 55 on map)
(Continued)

2592	soft limestone, some oil and gas
2655	hard sandy lime
2908	hard cherty limestone
2915	black lime
2942	white lime
3037	cherty limestone
3084	lime, softer, some gas
3098	dark lime
3138	lime, fossils
3182	dark lime, more gas
3482	hard-soft dark-white lime
3515	lime, light colored and sandy with odor of oil
3545	pure lime
3748	lime showing fossils
3796	limestone, some sand and showing of gas
3904	hard limestone, gray, black, brown
3929	sandy limestone
3932	fine dark limestone, some oil
3936	limestone, fine as flour, gas
3955	fine dark limestone
3970	hard fine limestone
3992	coarse gray limestone
4000	coarse gray limestone, darker

TOTAL DEPTH

SUMMARY

Coal Measures	0- 97
Pennington	97- 271
Bangor	271- 761
Hartselle	761- 988
Tuscumbia and Fort Payne	988-1361
Devonian	1361-1390
Niagara (?)	1390-1764
Red Mountain	1764-1808
Trenton	1808-2915
Knox	2915-TD

United Oil Company — Frankfort No. 1 (No. 56 on map)

Located: NE Cor. of NW/4, Sec. 7, T. 6 S., R. 12 W.

Began: 9-15-1918

Completed: March, 1920

Elevation: 745'

Casing Record: 8" @ 253'
reset 8" @ 407'
6¼" @ 760'-8'

- 0- 150 First stroke of drill in Hartselle sandstone (the thick, massive upper sandstone of the Hartselle formation. Massive, fine grained silicious sandstone with occasional somewhat limy streaks
(Note: Small quantity fresh water 20-50'. From 75-90' very rich saturation of heavy dead oil, none of which would flow into hole).
- 235 shale, limy
- 250 limestone, massive, slightly sandy
- 275 shales with occasional beds of limestone
- 281 sandstone, limy, black, with rich saturations of dead, black oil
- 350 irregular alternating gummy shales and sandy limestone
- 375 limestone, massive, sandy
- 397 alternating cavey shales (in places highly fossiliferous and limy sandstone, latter saturated with dead oil) Note: Caves compelled resetting 8" casing at about 407'.
- 400 limestone, gray
- 462 limestone, light colored (Note: sprightly gas at 400, stronger at 413, small additional oozes at intervals all along to 465'—about enough, in aggregate, when burned in boiler over night to show 20 pounds of steam next morning).
- 575 limestone, massive, gray to white, with occasional cherty inclusions
- 590 limestone, whitish, slightly sandy showing between 575 and 580' about one-third of a bailer per hour of slightly salt water
- 635 limestone, gray to white, intercalated with layers of stringers of chert, occasionally showing inclusions of black, dead oil
- 688 limestone, sandy, with many cherty inclusions
- 752 limestone, very dark, with many cherty inclusions and shaly intercalations: (Note: strong flow of salt water at bottom of last item. 6-¾" casing set at 760.8'.
- 770 limestone, hard, cherty
- 784 shale, black
- 849 limestone, slightly sandy, white, so white slush looked like stream of clabber
- 917 shale, greenish to grayish
- 927 limestone, sandy, with reddish, highly ferruginous argillaceous inclusions
- 945 same, growing more ferruginous
- 975 limestone, hematitic, with apparently little or no silica
- 998 same, with slightly less iron

United Oil Company — Frankfort No. 1 (No. 56 on map)
(Continued)

- 1130 shale, gray, limy, with some hard ledges
- 1150 limestone, hard, sandy, with slight gas odor
- 1235 limestone, shaly, with occasional thin, hard ledges
- 1410 limestone, making pinkish-brown slush with slight gas odor
- 1463 limestone, white
- 1550 limestone, darker
- 1553 hard cherty layer
- 1560 limestone
- 1585 limestone, dark colored, slightly softer, with strongly oil smelling slush
- 1615 limestone, white
- 1623 hard ledge
- 1670 limestone, hard and soft, irregular alternations of variable thickness 2 to 10'
- 1682 limestone, hard cherty
- 1694 limestone, softer
- 1765 limestone, very hard, dark to light colored
- 2005 Knox dolomite to bottom of hole with slight gas right at top

TOTAL DEPTH

SUMMARY

Hartselle	0- 375'
Gaspar	375- 400
Tuscumbia	400- 590
Lauderdale	590- 770
Devonian	770- 784
Niagara	784-917
Clinton	917- 998
Trenton	998-1765
Knox (?)	1765-TD

Woodward Oil & Gas Company — ? No. 1 (No. 57 on map)

Located: In SW/4 of NE/4, Sec. 16, T. 7 S., R. 11 W.

Began: 4-1-1911

Completed: 1912

Elevation: 705'

Casing Record: ??

- 0- 288 limestone, oolitic, white
- 330 shale, calcareous, gray
- 370 limestone, white

Woodward Oil & Gas Company — ? No. 1 (No. 57 on map)
(Continued)

432 shale, dark gray
596 sandstone, fine, calcareous
730 shale, calcareous, gray
750 limestone, compact, gray
760 sandstone, coarse, calcareous
907 limestone, cherty in part
1215 chert and limestone
1240 shale, calcareous, brownish black
1380 shale, calcareous, red and green
1400 limestone, greenish white
1615 shale, calcareous, black
1765 limestone, brown to white
1815 sandstone, fine, calcareous
2290 limestone, white to gray and brown
2560 dolomite, light gray, granular oily
TOTAL DEPTH

SUMMARY

Bangor	0- 432
Hartselle	432- 760
Tuscumbia	760- 907
Lauderdale	907-1215
Devonian	1215-1240
Clinton	1240-1400
Trenton	1400-2290
Knox	2290-TD

REMARKS

Water: First water (fresh) at 265'. Second water (brackish) at 475'. Third water (salt) at 2295'. The salt water continued to bottom of hole with notable increase at 2330'.

Gas: A small but persistent flow of gas was encountered at 1645' in the Trenton limestone

Oil: Traces of oil and the odor of oil were noticed from 1750 to 1830' in the Trenton sandstone and limestone; and the odor of oil was very marked in the Knox dolomite from 2295' to the bottom of hole. No oil or gas was noted in the Hartselle sandstone.

LAWRENCE COUNTY

Fidelity Oil & Gas Corporation—Rob Jacobs No. 1 (No. 58 on map)

Located: SW/4 of SE/4, Sec. 11, T. 7 S., R. 7 W.

Began: 6-7-1928

Completed: 10-?-1928

Elevation: ?

Casing Record: ?

- 0- 14 soil
- 64 Bangor limestone, dark blue color
- 119 dark brown lime
- 149 white lime
- 154 white sandstone
- 191 Hartselle sand and oil
- 205 asphalt
- 225 water sand, salt water
- 270 blue lime (set 8" casing)
- 280 brown grayish lime
- 390 blue brownish muck
- 430 gray lime
- 480 brown lime
- 510 light blue lime
- 560 gray lime
- 600 grayish brown lime
- 625 light blue lime
- 630 gray lime and a good showing of oil
- 680 brown lime
- 780 "Rotordore" chert
- 790 dark lime
- 797 white chalk, brown sand and a good showing of oil
- 824 black shale
- 834 white lime, salt water
- 874 blue shaly lime
- 924 brown lime, show of oil
- 972 gray lime
- 979 soft red formation
- 1027 blue shaly lime
- 1077 brown lime
- 1117 gray lime
- 1137 dark blue lime
- 1177 light brown lime
- 1207 dark brown lime
- 1245 grayish brown lime
- 1255 brown lime
- 1305 dark brown lime
- 1335 light brown lime
- 1405 dark brown lime

Fidelity Oil & Gas Corporation—Rob Jacobs No. 1 (No. 58 on map)
(Continued)

1445 light brown lime
1495 dark brown lime
1500 light brown lime

TOTAL DEPTH

SUMMARY

Bangor	0- 149
Hartselle	149- 225
Tuscumbia & Ft. Payne	225- 797
Devonian	797- 824
Silurian (?)	824- 979
Trenton	979-1500

Lawrence County Oil & Development — Horton No. 1 (No. 60 on map)

Located: NW/c NW/4, Sec. 23, Twp. 6 S., Rge. 6 W.

Began: ? ? ?

Completed: 1922

Elevation:

Casing Record: 6¼" @ 395

0- 8 surface clay
58 oolitic limestone
62 shale, blue
67 limestone, blue
71 shale
78 sandstone, asphaltic
88 shale, blue
103 shale, sandy, blue
134 sandstone, asphaltic (fresh water)
144 limestone, blue
175 sandstone, asphaltic
231 shale, very blue
237 limestone, blue, rainbow at 332 ft.
341 shale, blue
366 limestone, blue, showing of oil
385 shale, blue and green, first salt water at 385'
662 limestone, blue, gray and light brown, cherty, rainbow at 662.
782 lime, dark, blue, cherty
784 shale, green
817 shale, dark brown

Lawrence County Oil & Development — Horton No. 1 (No. 60 on map)
(Continued)

- 847 limestone, greenish
- 912 limestone, reddish brown soft and shaly
- 1117 limestone, gray and greenish with red specks, impure yellow lime, and streaks of greenish shale; blue limestone, streaks of dark blue shales and sand, fossils in lower portion
- 1127 shale, hard blue
- 1157 limestone, shaly (Trenton ?)
- 1179 limestone, shaly, blue
- 1214 limestone, blue, sandy, impure
- 1304 limestone, blue and light brown
- 1344 limestone, light brown, gritty, sandy

TOTAL DEPTH

SUMMARY

Bangor	0- 71
Hartselle	71- 175
Tuscumbia & Fort Payne	175- 784
Devonian (?)	784- 817
Niagara	
Clinton (?)	817-1117
Trenton	1117-1344

Greater Huntsville Oil and Gas Co. — Sandlin No. 1 (No. 62 on map)

Located: Sec. 24, Twp. 7 S., Rge. 6 W.

Began: June, 1927

Completed: 8-30-1928

Elevation: 636'

Casing Record: ? ?

- 0- 60 cream white cryptocrystalline fossiliferous lime
- 70 oolites, fine grained, non-calcareous angular sand rock
- 100 same, milky chert
- 116 same, few fragments of lime
- 124 gray white, highly oolitic cryptocrystalline limestone
- 157 same, not so oolitic fragments gray-brown crystalline lime
- 175 light brown, gray fossiliferous, lime with cavings of above and several fragments of fine-grained, brown angular sand rock
- 190 fine grained brown sandstone
- 224 gray laminated micaceous sandy shale
- 260 same, fragments of lime chert and fine-grained calcareous sandrock

Greater Huntsville Oil and Gas Co. — Sandlin No. 1 (No. 62 on map)

(Continued)

- 341 very fine grained angular, asphaltic quartz sand
- 350 dark gray, argillaceous crystalline lime
- 368 dark brown to gray fossiliferous lime, crinoid stems
- 383 white to gray argillaceous lime, with sandy lime, and dark gray slaty shale
- 438 dark gray slaty shale
- 479 gray brown, slightly oolitic lime and gray-black slaty shale
- 500 gray brown finely crystalline slightly fossiliferous lime
- 537 same, slightly cherty
- 551 pure white lime
- 640 same, softer almost amorphous
- 662 same, harder & some fragments, quite dolomitic & small amount chert
- 706 cream, gray crystalline, slightly oolitic, fossiliferous limestone
- 714 same, softer, and with a few large fragments of gray-black slaty shale
- 752 same as 714
- 755 same, gray-white
- 759 same, darker
- 783 black, very fine-grained, micaceous sand and chert
- 786 gray-white, lime and chert
- 788 same, brownish color
- 794 black, very fine-grained chert and a little sand
- 800 same, with dark gray crystalline lime
- 812 gray and gray-white and shaly lime with little chert
- 819 black crystalline lime and sandy lime
- 824 same, lighter in color
- 830 gray dolomitic lime and slaty shale
- 836 gray sandy lime, with crystalline lime and white chert
- 846 gray, crystalline lime and white chert
- 851 same, less chert
- 855 white, crystalline lime
- 863 brownish-black, soft, fissile bituminous shale
- 894 light gray, greenish and pink limestone with red material closely resembling Clinton red ore, pyrite nodules, probably originating in Chattanooga, white limestone and blue shale, with small amount sand
- 924 white limestone and blue shale with small amount of sand
- 960 same, but with blue shale predominating
- 996 light gray to blue, very fine-grained pure limestone
- 1026 blue, fine-grained limestone
- 1056 same, lighter color and brownish
- 1100 same, blue
- 1200 mixture of blue to white limestone
- 1230 blue limestone, still very finely crystalline

Greater Huntsville Oil and Gas Co. — Sandlin No. 1 (No. 62 on map)
(Continued)

1273	same, blue to light gray
1360	same, brownish
1420	same, almost white with small facets of calcite
1487	same, dark blue
1510	same, light blue to gray, still very fine-grained
1534	same, light gray
1564	same, dark blue
1660	same, light gray
1859	same, white to bluish white
1942	same, with some dark blue fragments and greenish cast
1970	same, almost white
2001	same, sandy and some brownish fragments

TOTAL DEPTH

SUMMARY

Bangor	0- 175
Hartselle	175- 341
Golconda	341- 383
Gasper	383- 537
Ste-Genevieve	537- 640
Tuscumbia & Lauderdale	640- 855
Chattanooga	855- 863
Silurian	863- 960
Chickamauga including Trenton	960-T.D.

Moulton Valley Oil Company — Prewitt (Goyer) No. 1 (No. 66 on map)

Located: NW/c SW/4 SE/4 Sec. 29, Twp. 7 S., Rge. 6 W.

Began: ??

Completed: 1890

Elevation: 636'

Casing Record: ??

0- 10	soil
300	limestone, Bangor
335	sandstone, first gas, in the upper part
445	shales, a dark blue color
525	limestone, pearly white, sulfuretted hydrogen gas was struck in this rock at 55 ft. below its top and salt water at 53 ft. from its top; the salt water on evaporation gave a good flavored salt.
845	limestone, light drab

Moulton Valley Oil Company — Prewitt (Goyer) No. 1 (No. 66 on map)
(Continued)

- 873 limestone, impure, coming out as a coarse powder like corn meal and hence called "corn meal sand"
- 905 shale, black (Chattanooga)
- 922 limestones, shaley
- 924 limestones, blue
- 933 shales, sandy and of a mottled (red and white) color
- 1355 limestone, it carries some little oil
- 1455 a gritty calcareous sand, likely from an impure limestone
- 1500 limestone, blue
- 1509 limestone, coarse-grained, the lower five feet is an oil sand though it carries no oil
- 1529 limestone, coarse-grained impure and siliceous, a good oil sand, oil
- 1700 limestone, blue
- 1822 limestone, white
- 1828 limestone, blue with greenish specks
- 1834 limestone, white or cream colored
- 1897 limestone, blue
- 1923 limestone, bluish with a slight reddish tinge
- 1950 limestone, white
- 1954 limestone, gray with a slight reddish tinge
- 1958 limestone, white
- 1961 limestone, gray with a few reddish specks
- 2010 limestone, light gray
- 2015 limestone, white
- 2017 limestone, light gray with reddish specks
- 2022 limestone, brownish gray
- 2026 limestone, white
- 2033 limestone, grayish with white and blue specks
- 2037 limestone, with large white specks that resemble pieces of fossils
- 2042 a dark grayish powder with blue and white specks; it may be shale
- 2064 limestone, with white and light gray colors with reddish specks
- 2067 limestone, white
- 2120 later deepened

TOTAL DEPTH ?

MORGAN COUNTY

Albany-Decatur Oil Company—English No. 1 (No. 72 on map)

Located: NW/4 of NW/4, Sec. 6, T. 6 S., R. 4 W.

Began: 3-3-21

Completed: 10-1-1926

Elevation: 547'

Casing Rec. 8" @ 1885'

- 0- 14 clay
- 60 lime
- 70 sandy lime
- 245 lime
- 246 trace of oil
- 269 lime
- 274 sandy lime—trace of oil
- 350 lime, very hard
- 362 black shale
- 385 lime
- 410 sand
- 414 lime
- 430 slate
- 370 lime
- 490 slate
- 568 lime
- 574 slate
- 672 lime
- 674 lime—trace of oil
- 715 white lime
- 890 dark gray lime
- 985 white lime
- 1030 dark lime
- 1350 gray lime
- 1400 white lime
- 1435 blue lime
- 1450 white lime
- 1455 sandy lime
- 1530 gray lime
- 1623 gray lime, water
- 1626 sandstone and sulphur water
- 1650 lime, trace of coal (?) 1633½'
- 1665 lime, trace of oil
- 1750 gray lime, very hard
- 1760 sandy lime, water—4 bailers per day @ 1760
- 1790 lime, gray
- 1865 sandy lime
- 1880 lime, water, half full
- 1950 gray lime
- 1980 lime 30% sand
- 2050 gray lime

Albany-Decatur Oil Company—English No. 1 (No. 72 on map)

(Continued)

2075	sandy lime
2140	gray lime
2155	lime and flint
2160	gray lime
2172	sandy lime, show of oil
2280	lime, dark gray
2400	gray lime
2450	lime and flint
2500	sandy lime
2520	gray lime
2535	lime flint
2566	sandy lime
2578	lime 50% sand
2645	lime, trace of oil
2800	lime and flint, very hard
2812	sandy lime, soft
2840	lime and flint
2860	gray lime
2870	lime, water
2882	lime
2892	lime, flint
2924	lime
2950	lime, very hard, very dark gray, traces of gas at 2940
3002	gray lime
3040	lime and flint
3050	lime, very hard
3115	sandy lime, trace of oil
3125	lime, water, trace of oil
3142	lime, water
3152	brown lime
3200	lime, water
3212	brown lime
3216	gray lime
3260	lime, water and oil showing
3360	gray lime, flinty
3390	lime, gray, sulphur water
3410	light brown lime
3447	gray flinty lime, trace of oil
3461	lime flint dark
3480	gray lime
3503	brown lime
3535	lime, flint, dark
3545	lime and flint
3596	lime

Albany-Decatur Oil Company—English No. 1 (No. 72 on map)
(Continued)

3620	dolomite
3702	gray lime, can wash oil out of the cuttings most of time
3710	lime, gray
3844	lime
3850	lime, water, blackish, can wash heavy oil out of cuttings
3900	sandy lime, some of it 90% sand
3934-	lime

TOTAL DEPTH 4130'

SUMMARY

Lauderdale	0- 350
Devonian	350- 372
Silurian (?)	372- 410
Trenton	410-1790
Knox	1790-4130

Hartselle Oil & Gas Company — ? No. 1 (No. 73 on map)

Located: N/2 of NE/4, Sec. 10, T. 7 S., R. 4 W. ½ mi. N. of present RR.
Station

Began: ?

Completed: 1887

Elevation: ?

Casing Record: ?

0-	17	surface soil
	22	limestone, fine grained, light drab
	110	shale, dark drab calcareous with fossil corals
	146	limestones, shales, light drab, streaked blue limestone
	313	limestone, light drab and white, with streaks of iron rust
	401	limestone, blue with a fracture something like flint
	438	limestone, hard fine grained, bluish brown
	501	limestone, flaggy in upper part
	555	limestone, fine grained blue
	628	limestone, light blue color, with iron rust stains
	645	black shale
	661	limestone, shaly, light gray, carrying first gas
	1004	limestone, blue
	1093	limestone, light color, carrying near its bottom the second gas

Hartselle Oil & Gas Company, ? No. 1 (No. 73 on map)

(Continued)

1227 limestone, drab
1265 limestone, light
1299 limestone, dark
1399 limestone, drab
1499 limestone, light blue, black, oil at bottom
1688 limestone, gray
1730 sandstone, light gray calciferous

TOTAL DEPTH

SUMMARY

Hartselle	0- 110
Tuscumbia	110- 313
Fort Payne	313- 628
Devonian	628- 645
Trenton	645-1688
Knox	1688-1730

BLOUNT COUNTY

H. A. Drummond — Wall No. 1 (No. 84 on map)

Located: In NW/4 Sec. 30, Twp. 13 S., Rge. 3 W.

Began 10-1939

Completed 2-23-1940

Elevation 365'

Casing Record: ?

- 0- 497 sandstone
- 504 hard quartzitic sand with oil stains
- 526 light gray, fine grained sand with asphalt streaks
- 528 black shale & hard sand
- 546 hard, light grey, fine grained sandstone
- 548 hard sandstone
- 594 hard, fine grained, grey sandstone with shale streaks
- 613 black shale & fine grained sandstone
- 622 fine grained, light grey sandstone
- 624 fine grained, light grey sandstone with oil streaks
- 706 fine grained, light grey sandstone with oil stains
- 732 fine grained, light grey sandstone
- 740 fine grained, light grey sandstone and black shale
- 764 black shale & grey sand
- 774 hard green shale
- 775 green calcareous, sandy shale (top of Bangor by Miller)
- 778 light grey limestone
- 793 hard green shale with lime streaks
- 829 grey limestone with shale streaks
- 836 green shale
- 846 grey limestone with asphalt
- 906 limestone
- 909 shaly limestone
- 913 limestone
- 914 green shale
- 917 red shale
- 918 green shale
- 920 shaly limestone
- 1048 limestone
- 1049 green shale
- 1074 grey limestone
- 1090 grey limestone with yellow stains
- 1105 grey limestone
- 1121 black argillaceous limestone
- 1164 light grey limestone
- 1186 dark grey limestone
- 1202 dark grey limestone with shale streaks
- 1203 black shale
- 1210 limestone with shale streaks
- 1232 dark grey fossiliferous limestone

H. A. Drummond — Wall No. 1 (No. 84 on map)
(Continued)

- 1236 dark grey argillaceous limestone
- 1238 black limestone with shale streaks
- 1269 grey limestone
- 1275 hard limestone with calcitic streaks
- 1314 dark grey limestone
- 1318 dark grey limestone with shale streaks
- 1349 hard grey limestone
- 1385 hard grey limestone with shale streaks
- 1392 limestone
- 1392½ shale
- 1392½-1395 gray limestone
- 1443 dark gray argillaceous ls.
- 1456 hard calcareous sandstone. Some oil saturation. Hartselle.
- 1475 shale with sand streaks
- 1501 very hard, tight sand with shale streaks.
- 1527 fine grained, hard sand with shale streaks
- 1533 sandy shale; show of gas.
- 1549 shale
- TOTAL DEPTH D & A

SUMMARY

0- 768		Pennsylvanian
768- 924		Pennington
924-1452		Bangor
1452-1549		Hartselle

Col. J. A. Montgomery — Reed's Gap. No. 1 (No. 85 on map)

Located: SE/cor NE/4 of NE/4 Sec. 28, Twp. 13 S., Rge. 3 W.

Began: ?

Completed: 1888

Elevation: ?

Casing Record: ?

- 0- 80 sandstone
- 225 calcareous shale
- 365 cherty limestone
- 410 chert
- 515 cherty limestone
- 585 calcareous green shale
- 630 Chattanooga black shale
- 640 calcareous green shale

Col. J. A. Montgomery — Reed's Gap. No. 1 (No. 85 on map)
(Continued)

660	calcareous sandstone
675	limy red ore
690	limestone ferruginous
695	limy red ore
700	limy red ore
715	slightly ferruginous, limestone
725	limy red ore
765	greenish shale
780	limy red ore
1505	limestone and calcareous shale
1930	chert to bottom of well. Knox
1935	Knox chert.

TOTAL DEPTH

CULLMAN COUNTY

C. V. Carey and Daphne Oil Co. — King No. 1 (No. 86 on map)

Located: NE/4 NE/4 NW/4, Sec. 35, Twp. 8 S., Rge. 4 W.

Began: 11-12-32

Completed 8-19-33

Elevation: 868'

Casing Record: 12½"- 112';
10"- 715
8¼"-1530

- 0- 5 soil
10 red clay
20 sand
35 blue shale
71 brown sand (sharp ½ bailer per hour)
74 light blue soapstone
92 light lime (¾ bailer water)
101 blue shale
164 lime light
175 blue shale
185 gray lime
190 blue shale
295 lime, very hard, gray and blue
300 blue shale
440 lime, hard
450 blue shale
525 lime, light
530 broken lime
560 blue shale
595 blue shale and shells
600 sandstone, hard; with asphalt 600 to 620; 4 bailers of water per hour
from 630 to 645
700 lime
707 shale
719 lime (set 10" at 715)
760 blue shale
773 lime, hard
790 lime, brown
990 lime, gray
1033 lime, dark
1065 white lime, hard
1110 dark lime, hard
1160 white lime, hard
1190 coarse white lime
1210 lime, light
1230 gray and green lime
1240 green lime
1244 black shale (Chattanooga)

C. V. Carey and Daphine Oil Co. — King No. 1 (No. 86 on map)
(Continued)

1260	lime, gray
1275	broken lime and blue shale
1285	broken lime
1295	black lime
1315	gray lime
1325	dark lime
1375	dark gray lime
1380	dark lime, some shale
1390	dark lime.
1430	dark lime and shale
1435	gray lime
1440	black lime
1450	blue shale and coarse dark lime
1465	gray lime, very hard
1470	black lime, broken
1475	gray lime
1480	dark lime
1495	light lime
1510	calciferous lime
1520	gray lime
1535	white lime
1570	gray lime
1585	dark gray lime
1590	brown lime
1680	gray lime
1690	brown lime, hard
1700	white lime
1735	light gray lime
1755	dark gray lime
1840	gray lime
1855	brown lime, very hard
1895	gray lime
1915	dark lime
1935	gray lime
1970	dark lime
2045	gray lime
2115	white lime
2225	dark gray lime
2265	gray lime
2270	lime and little dolomite
2275	light lime
2290	dark gray lime, coarse
2303	dolomite, pearl gray, very hard

TOTAL DEPTH

C. V. Carey and Daphne Oil Co. — King No. 1 (No. 86 on map)
(Continued)

SUMMARY

Top Chattanooga	1240
Top Trenton	1255
Top Knox	2290

Manistee Oil & Gas Company — Whaley No. 1 (No. 87 on map)

Located: Sec. 30, T. 11 S., R. 2 W.

Began: ?

Completed: 1922

Elevation: ?

Csg. Record: 10" @ 80'
8¾" 585'

0- 550	Coal Measures
550-1050	Bangor
1050-1120	Hartselle
1120-1620	Lower Bangor
1620-1670	Chattanooga
1670-1820	Silurian
1820-2740	Trenton
2740-2850	Knox

Total Depth — D&A

WINSTON COUNTY

Woodward Oil & Gas Company — ? No. 1, near Double Springs
(No. 88 on map)

Located: SE/4 NE/4 Sec. 29, Twp. 10 S., Rge. 8 W.

Began: ? ?

Completed: 1911

Elevation: 737'

Casing Record: ? ?

0- 670	sandstone and shale
1130	limestone and shale
1310	sandstone
1460	shale and limestone
1770	limestone and chert
1790	shale, black
1940	red and green limestone and shale
1980	limestone and shale
2150	limestone
2180	shale
2440	limestone

TOTAL DEPTH

SUMMARY

Coal Measures	0- 670
Upper Bangor	670-1130
Hartselle	1130-1310
Lower Bangor	1310-1460
Tuscumbia & Lauderdale	1460-1770
Chattanooga	1770-1790
Devonian & Silurian	1790-1940
Trenton	1940-2440

Pennsylvania Oil and Gas Co. — No. 1 at Nauvoo (No. 89 on map)

Located: Near Cen. of Sec. 16, Twp. 12 S., Rge. 9 W.

Began: ?

Completed: 9-23-11

Elevation: 622'

Casing Record: ? ?

0- 7	surface
42	sandstone
94	slate
64	lime (probably hard black shale)
74	sandstone

Pennsylvania Oil and Gas Co. — No. 1 at Nauvoo (No. 89 on map)

(Continued)

94	slate
97	coal, Black Creek seam
100	slate
106	sandstone
112	slate
120	sandstone
140	sandstone, sharp-grained
285	slate
330	sandstone
340	slate
358	sandstone
373	lime (probably slate)
450	slate
620	lime (probably slate)
685	sandstone
710	lime (probably slate)
985	sandstone
1040	sandstone, slate seams
1410	limestone, pure, light colored
1435	slate
1525	limestone
1537	sandstone, fine-grained
1626	sandstone, coarse-grained
1682	slate, soft, black
1715	limestone, siliceous
1817	slate, soft
1852	limestone, dark colored, very fossiliferous, petroleum odor at base.

TOTAL DEPTH

SUMMARY

Coal Measures	0-1040
Upper Bangor	1040-1525
Hartselle	1525-1626
Lower Bangor	1626-1817
Tuscumbia	1817-T.D.

Woodward Oil and Gas Company — ? No. 1 at Haleyville (No. 90 on map)

Located: E½ NW¼ Sec. 6, Twp. 10 S., Rge. 10 W.

Began: 1911

Completed: 11-1-1911

Elevation: 730.9'

Casing Record: ? ?

0-	9	surface soil and sand
160		sandstone, white
260		shale, non-calcareous
345		sandstone and shale
615		sandstone and some shale
990		limestone, chiefly oolitic
1140		shale, black, calcareous
1320		sandstone, fine, calcareous
1495		shale, gray to black, calcareous
1645		limestone, cherty in part
1735		chert and limestone
1760		shale, black, pyritic, oily
1775		limestone, greenish white
2035		shale and limestone, red and green
2050		limestone and trace of shale
2215		shale, black to gray, calcareous
2235		limestone and shale, ferruginous
2290		shale and limestone
2915		limestone, gray to white
2940		dolomite, gray, crystalline, gas
2945		limestone, buff, compact
2960		dolomite, gray crystalline, gas
2980		limestone and black, oily shale
2982		dolomite, gray, crystalline

TOTAL DEPTH

SUMMARY

Coal Measures	0- 615
Upper Bangor	615-1140
Hartselle	1140-1495
Tuscumbia	1495-1645
Lauderdale	1645-1735
Chattanooga	1735-1760
Niagaran	1760-1775
Clinton	1775-2035
Trenton	2035-2915
Knox	2915-2982

Woodward Oil and Gas Company, — ? ? No. 4 at Haleyville (No. 91 on map)

Located: Sec. 6, Twp. 10 S., Rge. 10 W.

Began: ? ?

Completed: ? ?

Elevation: 885.31'

Casing Record: ? ?

0- 760 sandstone and shale
 1310 limestone and shale
 1670 sandstone, shale and limestone
 1930 limestone and chert
 1960 black shale, oily
 2050 limestone, brownish and greenish
 2100 shale, mixed red and green
 2210 shale, mainly red
 2480 shale, dark gray and limestone
 3100 limestone, light and dark gray
 3160 dolomite and limestone, gray
 3320 dolomite, light gray
 3610 dolomite, gray, granular and limestone

TOTAL DEPTH

SUMMARY

Coal Measures	0- 760
Bangor	760-1310
Hartselle	1310-1670
Fort Payne	1670-1930
Devonian	1930-1960
Clinton	1960-2210
Trenton	2210-3100
Knox	3100-3610

MARION COUNTY

A. & M. Oil & Gas & Pipe Line Company—Hamilton No. 1 (No. 93 on map)

Located: In North part of Sec. 23, T. 10 S., R. 14 W.

Began: 1916

Completed: 1916

Elevation: 488'

Csg. Record: ?

- 0- 6 soil
- 81 sandstone, coarse, with occasional shaly layers
 - 139 alternating shale and sandstones
 - 229 sandstone, coarse grained, conglomeratic, occasional shaly layers
 - 380 shale, dark, calcareous layers
 - 545 shale, with limy and marly layers and occasional thin sandstone layers
 - 703 limestone, dense gray crystalline, fossiliferous with interbedded thin shales and green marls. Three oil shows at 593, 670 and 703 ft., the latter a five-foot sandstone saturated with black oil
 - 1146 limestone, very porous, highly fossiliferous, dense crystalline gray, showing oil and gas at numerous horizons rather cherty towards the base
 - 1386 limy and sandy shales
 - 1406 sandstone, fine grained, shaly-good show of oil
 - 1469 shales and interbedded sandstones
 - 1493 sandstones and calcareous sandstones with good shows of oil and gas
 - 1720 limestones, dark crystalline, cherty in places, some shaly layers. Frequent oil shows. Grading imperceptibly into hard, dense, gray cherts
 - 1738 shale, greenish black
 - 1862 limestones, cherty, thin shale seams
 - 2111 marls and shales, greenish, with some layers of dense gray limestone, with occasional pinkish and purplish inclusions
 - 2123 shales, calcareous greenish
 - 2160 limestone, ferruginous, compact greenish and pink
 - 2162 iron ore, hematite, 2 ft.
 - 2193 limestone, fine grained, ferruginous, pink
 - 2393 limestone, dense, dark gray, sandy

TOTAL DEPTH

A. & M. Oil & Gas & Pipe Line Company—Hamilton No. 1 (No. 93 on map)
(Continued)

SUMMARY

Coal Measures	0- 545
Upper Bangor	545- 703
Upper Bangor & Hartselle	703-1146
Lower Bangor	1146-1493
Tuscumbia and Lauderdale	1493-1720
Chattanooga	1720-1738
Devonian and Silurian	1738-2111
Clinton	2111-2193
Trenton	2193-2393

A. & M. Oil & Gas & Pipe Line Company—Hamilton No. 1

Located: In North part of Sec. 23, T. 10 S., R. 14 W. (same well as above)

Began: 1916

Completed: 1916

Elevation: 488'

Csg. Record: ?

Record by Jon A. Udden

RECENT:

surface 0 to 6

PENNSYLVANIAN—MILLSTONE GRIT:

- 62 sandstone, grayish colored
- 83 sandstone, grayish colored shaly lenses
- 92 same, grayish colored
- 107 sandstone, grayish colored, quartz pebbles
- 125 sandstone, grayish colored
- 139 sandstone, shaly
- 185 sandstone, coarse grained
- 193 sandstone, quartz pebbles, coarse grained, shaly lenses
- 252 sandstone

MISSISSIPPIAN:

- 318 shale, dark colored, with sandy lenses
- 323 sandstone, grayish colored, fine grained
- 370 shale, dark colored
- 377 shale, sandy, light gray color
- 382 shale, dark colored
- 395 shale, dark colored, sandy lenses

A. & M. Oil & Gas & Pipe Line Company—Hamilton No. 1 (No. 93 on map)
(Continued)

- 409 shale, dark color
 - 472 shale, light to dark colored, lime streaks, fossiliferous
 - 510 shale, dark colored
 - 520 sandstone, light gray color, fine grained
 - 546 shale, greenish gray color, arenaceous
 - 559 limestone, grayish colored, crystalline
 - 606 limestone, grayish to greenish colored, thin shaly lenses, fossiliferous
 - 656 shale, greenish gray color, arenaceous
 - 680 limestone, coarse grained, thin shaly lenses
 - 682 shale, grayish colored
 - 684 shale, chocolate colored
 - 960 limestone, dark gray color, fine grained
 - 1013 limestone, grayish colored, shale lenses
 - 1112 shale, dark colored
 - 1127 limestone, grayish colored with shaly lenses
- A very heavy flow of water encountered at a depth of 90 ft. Dip apparently flat.

TOTAL DEPTH 2393'

Alabama Oil Company — Cashion No. 1. (No. 94 on map)

Located: Near SE/c SW/4 SW/4 Sec. 24, Twp. 11 S., Rge. 14 W.

Began: 1920

Completed: 1921

Elevation: 477'

Casing Record: 10" @ 80'
6¼" @ 777'

- 0- 60 alternating beds of soft sand, clay and gravel
- 160 shale, soft (80' of 10" casing set)
- 285 sandstone, white, show of black oil residue (fresh water 180)
- 415 shale and sandstone
- 482 sandstone, white
- 492 shale of Lower Coal Measures
- 517 sandstone, dark, some fresh water
- 518 shale
- 595 sandstone, gray
- 719 shale, dark
- 777 sandstone, gray, 2½ bailers per hr. of slightly brackish water from first 5 ft. slight show of gas and show of oil in last 14'
- 956 shale, carbonaceous, with thin sandstone layers

Alabama Oil Company — Cashion No. 1. (No. 94 on map)

(Continued)

- 1020 limestones, massive, vari-colored; first 34 ft. white with greenish and black inclusions, then 10' black and cherty; then 10' greenish and marly
- 1058 alternating marly shales and sandy limestones, oil show @ 1025
- 1085 limestone, massive whitish, with 10' bed of very hard black chert
- 1095 shale, greenish, with reddish brown nodular inclusions
- 1100 limestone, bluish, sandy
- 1155 limestone, slightly sandy, massive, brown
- 1388 limestone, dark gray, cherty, slightly saturated with oil at irregular intervals
- 1399 shale, calcareous
- 1420 limestone, very dark, cherty
- 1430 shale, calcareous
- 1465 limestone, hard cherty
- 1560 shale, soft calcareous, pyritiferous
- 1566 lime ledge, very hard
- 1806 shale, calcareous, chocolate color
- 1828 shale, black, somewhat cavy pyritiferous
- 1840 alternating gray limestones and thin layers of black shale
- 1846 limestone, whitish
- 1860 alternating pinkish, green and black pyritiferous shale
- 1868 sandstone, fine-grained limy show of oil and gas
- 1873 sandstone, lead-colored, shaly
- 1890 limestone, slightly sandy, with laminations of shale
- 1903 limestone, with few cherty inclusions
- 1920 limestone, with soft, mottled whitish, brown, small flow of salt water
- 1930 sandstone, rather hard, sandy brown and white, saturated with oil
- 1941 limestone, rather hard, yellowish sandy, slightly saturated with oil
- 1978 limestone, soft, saturated with oil
- 2080 limestone, hard, cherty
- 2087 sandstone, very black, shaly bituminous
- 2097 limestone, hard sandy grayish
- 2117 limestone, softer, whitish, fine-grained, gas flow est. 10,000'
- 2191 same with very slight increase of gas in first 10'
- 2210 about same, but sandier and harder
- 2254 limestone, greenish when wet. (Tool hung at 2254 hole lost)

TOTAL DEPTH

SUMMARY

Coal Measures	0- 956
Pennington (?)	956-1155
Bangor	1155-1860
Hartselle	1860-2087
Tuscumbia	2087-T.D.

David Roberts, et al, & Birmingham Drilling Syndicate No. 1, Well (?)
(No. 96 on map)

Located: In SW/4 NW/4, Sec. 12, Twp. 12 S., Rge. 12 W.

Began: 7-1-20

Completed: 4-30-21

Elevation: 635'

Casing Record: 7" @ 23'
3½" @ 965'
2½" @ 1195
1½" @ 1735'

- 0- 20 surface
- 27 sandstone and slate
- 30 coal. Jefferson Seam
- 40 soft and shaly fire clay with limy sandstone bands interbedded
- 50 sandstone, fine to medium grain
- 65 sandstone slate seams
- 90 black slate sandstone partings upper 5'
- 93 bony coal and black shale interbedded
- 101 sandy shale
- 102 bony coal
- 112 dark colored sandy shale
- 113 coal
- 114 fire clay
- 198 sandstone, medium grain
- 204 sandstone, brown colored limy
- 258 sandstone, medium grain
- 305 black clay shale
- 340 sandy shale
- 359 sandstone
- 361 coal
- 364 fire clay
- 424 sandstone
- 425 conglomerate
- 463 black clay shale
- 491 sandstone and shale interbedded (Impregnated with dead oil 473-474 and 488-490)
- 540 sandstone, medium to coarse grained
- 566 sandstone and shale interbedded (Several oil impregnations in sandstone streaks usually about 6" thick)
- 574 sandstone (Dead oil at 570)
- 598 sandstone and shale streaks
- 665 sandstone, coarse grained, white (Strong impregnation oil 598-600)
- 667 conglomerate
- 702 black shale
- 703 sandstone, medium grained, heavily saturated with heavy oil
- 704 sandstone and shale interbedded

David Roberts, et al, & Birmingham Drilling Syndicate No. 1, Well (?)
(No. 96 on map)

(Continued)

- 705 sandstone, medium grained, saturated with heavy oil
- 725 sandstone and shale interbedded (6 in. saturated oil sand at 718)
- 728 sandstone and shale, medium grained (Strong impregnation dead oil)
- 738 sandy shale with sandstone seams
- 773 sandstone with shale seams
- 800 sandstone
- 838 sandstone, slaty seams
- 1000 conglomerate and sandstone, very soft in places
- 1002 brown shale
- 1007 conglomerate
- 1046 sandstone, coarse conglomerate pebbles
- 1095 sandy shale
- 1125 black slate, sandy seams
- 1129 dark greenish shale
- 1141 Dark sandstone, fine-grained soft. Strong saturation heavy oil with strong odor (showing of oil on overflow from drill.) (Porosity 10.2% by volume)
- 1143 green shale
- 1146 white crystalline, green shale partings
- 1150 green shale, limestone bands
- 1152 green shale.
- 1174 green shale, limestone bands
- 1179 limestone, shaly, fine-grained, dark color
- 1184 limestone, coarse, crystalline, white (Heavy oil 1183-4)
- 1191 limestone, coarse crystalline, white
- 1195 green shale, limestone bands
- 1222 sandy shale, very sandy
- 1230 limestone, fine-grained, shaly bands, dark color, show of oil
- 1240 dark fine-grained shaly limestone
- 1253 fine-grained shaly limestone, chert seams
- 1255 soft shale
- 1265 limestone with bands of shale
- 1267 soft shale
- 1274 dark limestone, show of oil
- 1278 coarse, limestone
- 1358 gray limestone, highly fossiliferous in places
- 1390 limestone, medium grain light gray
- 1425 limestone, impure, shale streaks
- 1440 limestone, coarse grain
- 1470 limestone, occasional shale streaks
- 1490 impure shaly dark limestone, fossiliferous, many shale streaks
- 1510 limestone and shale interbanded
- 1546 limestone, shale streaks
- 1552 black clay shale

David Roberts, et al, & Birmingham Drilling Syndicate No. 1, Well (?)
(No. 96 on map)

(Continued)

- 1577 impure limestone and shale bands, 1-8 in.
- 1598 chert and cherty limestone with slate streaks
- 1615 dark fine grain shaly limestone and dark clay shale interbedded,
few siliceous streaks.
- 1626 chert and cherty, shaly limestone
- 1636 black clay shale, soft
- 1643 dark shaly limestone and shale
- 1692 black clay shale, limy, very soft, occasional thin limy bands.
- 1735 dark shaly fine-grain limestone with shale bands.
- 1877 dark limy shale, with occasional dark shaly limestone bands upper
part.
- 1878 black slate and sandstone streaks
- 1884 sandstone, fine-grained
- 1886 sandstone, slate streaks
- 1887 black shale
- 1888 sandstone, fine-grained
- 1896 black shale, occasional fine-grained sandy bands
- 1912 limy black shale, dark fine-grained limy bands
- 1915 sandstone, fine-grained saturated with heavy oil (1 ft., 6 in. cored)
- 1972 soft black clay shale
- 1983 limestone, soft medium to coarse grain fossiliferous Fort Payne
chert.

TOTAL DEPTH

SUMMARY

Coal Measures	0-1046
Pennington (?) & Bangor	1046-1878
Hartselle	1878-1915
Fort Payne	1915-T.D.

?

- Coholan No. 1 (No. 98 on map)

Located: At Pierces Mill Sec. 7, T 11 S, R 12 W

Began ? Completed: ?

Elevation: ? Casing Record ?

- 0- 60 medium coarse white sandstone, asphaltic streaks 40-60'
- 90 very coarse sandstone and conglomerate
- 100 sandstone and shale
- 105 shale

?
(Continued)

- Coholan No. 1 (No. 98 on map)

110 sandstone and shale
130 medium coarse white sandstone
135 sandstone and some shale (traces of oil)
160 hard sandstone (trace of oil 145-160)
170 shale and sandstone (trace of oil)
175 shale
195 hard sandstone
200 hard sandstone (trace of oil)
210 shale and sandstone
215 shale
225 shale and sandstone
230 brown sandstone (trace of oil)
285 white sandstone
295 black shale
305 coarse sandstone
315 conglomerate
325 coarse sandstone
385 conglomerate, coarse sand and pebbles as large as 1/8"
420 sandstone, coarse
425 fine grained sandstone
450 conglomerate
490 coarse sandstone
540 conglomerate
565 medium sandstone, excellent showing of hvy. oil
620 conglomerate
640 fine grained white sandstone
645 sandstone and shale
650 clay shale
665 gray limestone
673 red and green shale - Bangor
815 white and gray limestone, some shale, probably caved from above
850 TOTAL DEPTH

SUMMARY

Top Bangor - 645'

Briggs & Knapp — Wefel No. 1 (No. 100 on map)

(Continued)

- 1360 gray sandy shale, or shale with sandstone breaks; varying from slightly to very calcareous; generally pyritiferous
- 1369 calcareous black shale, with partings of white sandstone
- 1375 calcareous shaly sandstone
- 1395 shale varying from very sandy to slightly sandy, calcareousness varying from decidedly to non-calcareous; generally pyritiferous
- 1440 non-calcareous shale, with variable amounts of sandstone partings; generally slightly pyritiferous
- 1446 non-calcareous RED ROCK; consisting of red shale and red sandstone
- 1454 non-calcareous gray shale with sandstone breaks
- 1459 non-calcareousness gray shale and black shale with partings of sandstone, small amounts pyrite, slight chocolate color
- 1477 non-calcareous gray and black shale sandstone partings; pyritiferous
- 1486 very pale chocolate colored shale, sandstone parting; Non-calcareous. Generally highly pyritiferous
- 1494 non-calcareous fine grained sandstone, with shale partings. Greenish quartz sandstone, in part.
- 1500 slightly calcareous black and gray shale; sandy, with fragments of fossils, calcareousness due to fossils.
- 1513 black and gray shale; mostly non-calcareous and slightly pyritiferous, with partings and breaks gray and brown limestone.
- 1517 non-calcareous gray shale, partings of limestone
- 1521 limestone and shale alternating. Fragments and fossils.
- 1527 limestone and non-calcareous shale and calcareous shale alternating
- 1535 shale, more or less calcareous and limestone in thin beds; fragments of fossils
- 1540 gray limestone and white limestone, with shale breaks
- 1580 gray and black shale, partings and thin beds limestone
- 1595 green and black shale, with thin beds or partings of limestone
- 1610 black and gray shale and limestone; mostly shale
- 1635 light gray shale and limestone breaks
- 1654 chocolate colored shale and sandstone; mostly sandstone, small amount of lime
- 1663 light gray shale, limestone, trace only of quartz sand
- 1700 black fossils shale and gray limestone alternating; shale carrying much oil
- 1720 same as 1663-1700 — limestone and shale carrying oil
- 1730 hard limestone (small oil show)
- 1740 hard limestone
- 1780 limestone (lower Bangor of Mississippian age)

TOTAL DEPTH

DeSoto Oil & Gas Corporation — Gardner No. 1 (No. 101 on map)

Located; Sec. 22, Twp. 15S, Rge. 16W; 300'S & 136'E of NW/cor. Sec.

Began: 3-31-1932

Completed: 3-15-1936

Elevation 324'

CASING RECORD: 10" 543'

8 1/4" 1565'

6 5/8" 3216'

5 3/16" 4125'

- 0- 41 clay and sand
- 43 sandy clay and shell rock
- 175 fire clay, white, pink, blue
- 190 gravel and sand
- 200 coarse gravel
- 215 gummy shale
- 230 sand
- 255 tough red gumbo
- 263 gravel
- 285 red gumbo
- 305 medium hard and soft sand
- 310 gummy shale
- 324 pink gumbo
- 354 hard sand and some gravel
- 411 pink gumbo and gravel
- 417 rock
- 425 gumbo with pink streaks also blue
- 438 white gumbo-streaks of coal
- 512 pink, white and brown gumbo with streaks of chalk
- 528 gumbo and gravel
- 543 hard blue sandstone, set 10" casing and put on 9-7/8" bit.
- 573 sandstone with streaks of shale
- 607 hard sandstone
- 625 hard streaks of shale with sand
- 646 medium soft shale
- 651 some coal
- 677 hard sandstone
- 680 shale
- 702 hard and gray sandy shale
- 745 sandy shale with streaks of lime
- 758 black shale
- 780 hard sand with streaks of shale
- 785 sandstone and lime
- 802 hard sandstone and shale
- 805 hard sandstone
- 821 hard sandstone and shale
- 830 hard sandstone and lime

DeSoto Oil & Gas Corporation — Gardner No. 1 (No. 101 on map)
(Continued)

- 846 sandstone and lime
- 854 hard white sandstone
- 906 hard sandy shale
- 912 shale
- 938 shale with streaks of sandy lime
- 973 shale medium
- 1002 shale with some sand and lime
- 1007 lime rock streaks of brown shale
- 1018 sandy lime with streaks shale
- 1055 gummy shale with hard streaks sand lime
- 1081 hard sandy shale - streaks of lime
- 1105 sand with breaks of shale and lime
- 1112 hard sand
- 1116 medium sand with some shale
- 1130 shale with some sand and coal
- 1138 hard sandstone
- 1150 medium hard water sand—yellow and white
- 1216 coarse white sand carrying some water
- 1262 hard sand—black specks
- 1280 hard gray sand streaks shale
- 1292 sandy lime
- 1300 limestone—streaks sand
- 1305 hard sandstone
- 1315 hard sand streaks shale
- 1334 black shale
- 1337 shale streaks sand
- 1355 hard broken sandstone
- 1365 hard broken sandstone some lime
- 1371 hard broken sandstone
- 1465 hard sand—shale, lime
- 1555 medium hard broken sandstone and shale
- 1565 sandy shale
- 1600 sandy shale
- 1613 blue limestone
- 1700 dark soft sandy shale or slate
- 1760 coarse dark shale
- 1778 fine grained gray shale
- 1958 black shale and slate
- 2008 dark shale
- 2020 sandy shale with shells
- 2198 dark medium slate
- 2230 sandy shale
- 2247 white sand
- 2257 hard gray sand

DeSoto Oil & Gas Corporation — Gardner No. 1 (No. 101 on map)

(Continued)

2269	hard white sandstone
2335	dark hard limestone
2345	sandy lime
2445	fine grained lime—hard
2460	sandy lime
2465	hard gray limestone
2519	sandy lime hard
2554	dark hard lime
2562	black shale medium
2575	sandy lime very hard
2624	dark lime—hard
2640	dark hard limestone
2650	sand and lime gray, hard
2660	flakey sand—gray medium
2704	sandy limestone, gray hard
2714	slate and lime, gray hard
2721	dark hard lime
2727	limestone, gray hard
2732	white sand hard salt water
2751	fine water sand, salt water
2758	white hard sand
2762	sand dark
2772	lime, dark hard
2775	hard gray lime
2786	lime, gray hard
2790	lime and sandy gray hard
2796	sand light and hard
2814	lime, gray hard
2819	shale, dark medium
2824	sandy lime, dark hard
2859	slate, dark medium
2900	shale, dark soft
2906	hard shale, gray
2920	sandy shale, dark, hard
2923	sandy
3005	shale, dark soft
3033	slate, dark medium
3055	shale, dark medium
3067	lime, gray hard
3072	pink and green shale, medium
3091	broken lime and shale dark, medium
3094	broken lime and dark soft slate
3107	shelly lime, dark hard
3118	lime and shale, dark medium

DeSoto Oil & Gas Corporation — Gardner No. 1 (No. 101 on map)
(Continued)

3125	sandstone white hard-showing of oil
3135	sandy shale
3139	sandy shale soft
3146	hard sandstone (Checking with Carter sand)
3173	shale with trace lime—medium
3179	hard gray sandstone—same as Harris No. 1
3184	medium hard slate
3202	shale
3216	dark hard limestone—6-5/8" casing set at 3216
3237	dark hard limestone
3336	white sandstone hard
3345	sandy lime
3370	medium shale
3377	limestone
3678	shale—very little sand—medium soft
3805	brown cinnamon shale (soft)
3875	dark hard cherty limestone
3880	slate
3895	hard dark limestone
3896	white sandstone—showing 40,000 C. F. Gas.
3906	brown and gray sandstone
4000	hard gray cherty limestone
4018	medium hard white flakey limestone
4030	sandy limestone
4053	limestone with very little sand
4055	sandy slate
4063	limestone
4067	sandstone
4100	cherty limestone
4120	fine white sand—making salt water
4125	limestone—5-3/16" casing set
4450	limestone, white and hard
4490	sandstone, gray and hard
4504	sandstone, white and very hard
4606	limestone, white and hard
4645	sandstone, dark and hard
4886	limestone, very hard

TOTAL DEPTH

SUMMARY:

Tuscaloosa	0- 528
Coal Measures	528-2900 plus
Pennington or Bangor	2937-3914
Fort Payne	3914-4372
Chattanooga (?)	4372-4378
Ordovician	4450-4886

F. Morck — Guin No. 1 (No. 102 on map)

Located: NE/4 of SE/4, Sec. 25, T 12 S, R 14 W

Began: 1917

Completed: 1918

Elevation: 520'

Casing Record ?

0- 138 surfacing
 168 gumbo and running sand
 205 shale and red sand alternating
 440 gumbo and sand
 575 white sand
 709 slate
 775 light gray sand
 1105 sand, dark
 1111 sands, alternating in color and porosity
 1118 sand, black
 1218 sand, dark gray
 1245 shale, black
 1280 sand, dark
 1300 sand, gray, fine quality
 1375 shale, black
 1450 sand, dark
 1510 slate, gray
 1565 sand, red
 1610 slate, light colored
 1674 slate and lime, alternating
 1682 oil sand with oil
 1691 lime, hard dark
 1698 second sand, rich in oil
 1702 hard lime, shale
 1710 close sugar sand richly saturated with oil
 1744 shale, limestone and shells
 1750 dark oil sand showing oil
 1790 shale, limestone, etc.
 1817 limestone, dark
 1885 limestone, dark, hard
 1900 shale, dark
 1925 lime, dark, hard
 2000 shale, dark, soft
 TOTAL DEPTH

SUMMARY

Tuscaloosa	0-440
Coal Measures	440-1510
Pennington (?)	1510-1790
Bangor	1790-2000

FAYETTE COUNTY

Diamond Drill Boring — J. J. Jones No. 1 (No. 104 on map)

Located: NW/4 of SW/4. Sec. 7, Twp 14S, Rge 11W.

Began: 5-19-1911

Completed: 5-26-1911

Elevation: ?

Casing Record: ?

- 0- 4 soil
- 10 gray sandstone
- 22 shale and shaly sandstone
- 33 light gray sandstone
- 103 shale and shaly sandstone
- 108 sandstone
- 162 black to dark gray shale
- 235 shale, sandy shale and sandstone
- 237 coal and fire clay
- 264 shale and shaly sandstone
- 266 coal and fire clay
- 277 shale
- 281 coal and fire clay
- 285 shale
- 286 coal and fire clay
- 296 brownish sandstone
- 298 shaly sandstone
- 302 black shale
- 304 coal and fire clay
- 333 shaly sandstone and shale
- 347 gray to white sandstone
- 372 shale and shaly sandstone
- 401 hard, gray to white, gritty sandstone
- 406 black shale
- 408 coal
- 409 fireclay
- 414 white sandstone and shale

TOTAL DEPTH

Show of oil at unlocated point in last 25'. Several good shows of gas at unlocated points.

J. O. Shepherd & Co. — Berry No. 1 (No. 105 on map)

Located: Sec. 17, Twp. 16 S. Rge. 10 W.

Began: ??

Completed: ??

Elevation: ?

Casing Record: ?

0- 13 wash
35 sandy slate
45 sandstone, hard
158 black shale
158½ coal
159 fireclay
165 sandy shale
217 sandstone gray — show of coal
250 sandy slate
265 black shale
268 sandy shale
310 black shale
330 limey shale, strong
342 sandy limestone
350 limey slate
390 slate black, soft
396 limey slate hard.
397 coal and 1½" parting (Corona)
400 slate
425 sandstone, very hard
514 slate dark sandy shale
529 sandstone gray hard
580 slate, limey, soft
581 coal and fireclay
583 slate
607 sandstone, hard limey
630 black sandstone, slatey
742 slate, hard some grit
826 black slate, soft
827 coal
854 slate, soft

TOTAL DEPTH

J. C. Shepherd & Co. — Berry No. 2 (No. 106 on map)

Located: Sec. 17, Twp 16S, Rge 10 W.

Began: ??

Completed: ??

Elevation: ?

Casing Record: ?

- 0- 13 wash
- 35 sandy shale
- 45 hard sandstone
- 158 black shale
- 159 coal and fire clay
- 165 sandy shale
- 226 sandstone, show of coal
- 259 sandy shale
- 275 black shale
- 277 sand shale, very hard
- 319 dark gray shale
- 359 hard, gray shale
- 399 black shale
- 405 hard, gray shale
- 407 coal
- 409 shale
- 434 sandstone
- 523 dark gray shale, with sandy streaks
- 538 gray sandstone
- 589 soft shale
- 590 coal and fire clay
- 592 shale
- 616 hard compact sandstone
- 639 black sandstone, shaly but hard
- 751 shale, hard and sandy
- 835 soft, black shale
- 836 coal
- 863 soft black shale
- 865 coal
- 871 shale
- 886 light gray sandstone with show of oil, gas, salt water 873 to 876
- 899 white sandstone
- 909 dark gray sandstone
- 949 whie sandstone
- 966 coarse gray sandstone
- 1054 soft shale
- 1175 sandstone, hard and gray to shaly
- 1201 shale, sandy and hard
- 1212 soft shale
- 1221 fine and hard sandstone

J. C. Shepherd & Co. — Berry No. 2 (No. 106 on map)
(Continued)

1386 soft shale
1396 sandy shale
1413 soft shale
1475 hard, gray sandstone
1486 white sandstone, with some gas and lots of soft water
1505 dark gray sandstone
1515 shale at bottom

TOTAL DEPTH

SUMMARY

Coal Measures 13-1413
Millstone Grit 1413-1515

Sinclair Oil Company — Bessemer Coal Iron & Land Co. No. 1 (No. 108 on map.)

Located: NE/4 NE/4, Sec. 11, T 17 S, R 11 W

Began: ? Completed: 1920

Elevation: 453' Casing Record: ?

0- 30 Tuscaloosa drift, pebbly clay
100 sandstone, water at 65'
300 shale, with few sandy beds
360 sandstone
440 blue shale and slate, dark gray
442 coal
540 blue, hard, sharp sandstone
542 coal streak, 22"
545 slate, bluish, sandy
560 sandstone, hard, blue
640 shale, dark gray or black, sandy beds
650 shale, gray
690 dark shale or slate
702 sandstone and shady shale
707 coal
825 black or dark gray hard slate, sandy beds
835 water sandstone, gray, fine grained
890 shale, sandy, dark gray, pieces of coal in bit at 840'
935 shale, sandy, with 1' sandstone bed

Sinclair Oil Company — Bessemer Coal Iron & Land Co. No. 1 (No. 108 on map.)

(Continued)

- 955 dark gray, hard, sandy, shale
- 973 dark gray, sandy shale
- 985 hard gray, sandy shale
- 1080 hard gray shale and slate, little salt water at 1010'
- 1125 hard light gray sandstone, with some asphalt at 1095' made sticky, some sandy shale
- 1190 hard gray sandy shale with beds of sandstone
- 1215 dark gray shale or slate
- 1250 dark sandy shale
- 1272 gray medium grained sandstone, live oil at 1272' with little gas
- 1395 hard gray medium grained sandstone, odor of oil at 1390'
- 1410 gray sandstone, with beds of dark gray shale
- 1420 black shale, several inches of coal at 1420'
- 1580 fine gray to medium sandstone
- 1635 dark gray shale—reduced hole to 10" at 1592' without casing
- 1703 gray medium grained sandstone, some sandy shale beds
- 1705 coal
- 1775 gray, medium grained sandstone, to coarse sandstone, slight oil odor at 1760', salt water 1725'
- 1935 dark gray clay, shale
- 1950 sandy shale, dark gray
- 2050 gray medium sandstone
- 2060 black shale
- 2175 hard white medium sandstone
- 2290 dark gray hard sandy shale
- 2310 gray calcareous sandstone
- 2335 blue gray sandy shale
- 2339 coal with little water
- 2345 blue gray sandy shale
- 2358 dark gray shale
- 2362 blue gray sandy shale
- 2370 hard angular white sandstone
- 2381 white clean sandstone
- 2455 hard reddish sandstone
- 2480 gray hard sandstone
- 2490 gray hard sandstone
- 2515 reddish medium sandstone, thin black shale parting
- 2525 coarse sandstone, gray
- 2545 reddish coarse sandstone, thin coal seam at 2545' (few inches)
- 2567 hard gray limey shale, thin coal seam
- 2575 very coarse white sandstone, thin coal seam
- 2578 hard gray limestone
- 2622 gray sandstone, thin partings, black

Sinclair Oil Company — Bessemer Coal Iron & Land Co. No. 1 (No. 108 on map.)

(Continued)

- 2660 dark gray sandy shale
- 2705 white to gray sandstone, soft running quicksand with salt water at 2678 to 2693', making about one bailer an hr, at 2690'
- 2740 iron stained rusty to gray sandstone
- 2765 gray to white medium grained sandstone
- 2775 mixture white sandstone and gray shale
- 2795 hard dark gray shale
- 2803 gray sandy shale, few calcite crystals 1/4" in diameter
- 2815 gray sandy shale
- 2850 gray medium grained sandstone, some small pieces of shale
- 2870 hard gray shale
- 2885 gray, hard sandy shale
- 2890 gray, medium sandstone, containing white lime
- 2898 gray sandy shale
- 2903 gray shale, with some sandy shale
- 2940 hard shale
- 2945 gray shale with some sandy shale containing shell fossils
- 2960 gray sandy shale
- 2990 gray shale, cuttings very coarse at 2970' to 2980'
- 3020 gray sandy shale, some shale at 3010 - 3020
- 3045 gray shale
- 3058 gray shale with about 1' of light brownish gray, containing fossils at 3050'
- 3065 mixture of gray shale and dark reddish shale, sample containing much greater per cent of the reddish material which was encountered at 3062'
- 3100 gray shale with some reddish shale, which is probably caving from streak at 3062-3071 and 3075'; cutting also contained small amount limy fossiliferous material
- 3150 gray shale
- 3165 mixture of gray and reddish shale with some pieces of light gray lime
- 3200 gray shale
- 3220 gray shale with thin white lime fragments
- 3238 gray shale
- 3240 gray shale with some black shale
- 3250 black shale
- 3256 mixture of black shale and some red rock
- 3270 gray shale
- 3310 gray limestone, coarse, crystalline, fossiliferous
- 3313 greenish gray shale

Sinclair Oil Company — Bessemer Coal Iron & Land Co., No. 1 (No. 108 on map.)

(Continued)

- 3315 fine limestone
3349 thin shale interbedded in gray fossiliferous limestone

TOTAL DEPTH

SUMMARY

Coal Measures	30-2567
Millstone Grit	2567-2765
Pennington	2765-3270
Bangor	3270-TD

Sinclair Oil Company — Bessemer Coal Iron & Land Co. No. 2 (No 109 on map)

Located: In NE/4 of NW/4, Sec. 25, T 16 S, R 11 W

Began: 7-21-1920

Completed: 3-19-1921

Elevation: 396'

Casing Record: 12½" @ 230'-6"
15½" @ 870'

- 0- 4 surface soil
38 hard gray sandstone (Guin)
49 gray sandy shale
55 water sand (with water)
65 sandy shale and shaley sandstone
75 hard gray sandstone (Guin), water
118 gray sandy shale
178 blue gray clay, shale
182 coal
230 hard gray sandy shale (set 15½" casing at 230'-6")
305 dark blue gray shale
437 dark blue gray hard sandy shale
440 coal (Corona)
555 dark gray shale
570 gray sandstone
594 hard gray shale
615 dark gray shale
670 gray medium grained sandstone
685 gray sandy shale
696 gray medium sandstone, much salt water at 685'

Sinclair Oil Company — Bessemer Coal Iron & Land Co. No. 2 (No. 109 on map)

(Continued)

- 710 gray sandy shale with little soft shale (driller reported slight rainbow shows, little washing and cutting from 707-710'; cutting did not show oil)
- 730 gray sandy shale
- 735 changing from sandy shale to hard gray shale
- 768 gray clay shale
- 770 gray medium grained sandstone
- 784 hard dark gray shale (set 12½" casing at 780'-81')
- 895 gray fine grained and medium grained sandy shale (pull 12½" casing, reamed 15½" hole from 780-870 and reset casing at 870')
- 897 coal
- 902 gray shale
- 923 light gray sandy shale
- 925 coal
- 934 gray medium grained sandstone
- 936 coal
- 960 gray fine grained sandy shale
- 1007 gray shale with streaks of coal at 985'-1000' & 1003'
- 1030 white medium grained sandstone
- 1050 gray shale
- 1055 gray sandy shale
- 1079 gray shale
- 1117 white medium grained sandstone, with some fine white lime, probably shell fragments
- 1120 gray fine grained sandy shale
- 1185 light brownish gray fine grained sandstone, with some fine white lime fragments
- 1215 gray medium grained sandstone
- 1225 dark gray shale
- 1225 dark gray shale
- 1240 dark gray sandy shale
- 1262 gray medium grained sandstone
- 1291 dark gray fine grained sandy shale
- 1445 dark gray shale
- 1460 gray medium grained sandstone (no water)
- 1503 light gray medium grained sandy shale
- 1506 coal
- 1512 gray medium grained sandy shale
- 1550 gray medium grained sandstone
- 1650 gray shale
- 1699 dark gray fine grained sandy shale
- 1718 dark gray shale
- 1730 gray medium grained sandstone

Sinclair Oil Company — Bessemer Coal Iron & Land Co. No. 2 (No. 109 on map)

(Continued)

- 1753 gray fine grained sandy shale
- 1830 light gray medium grained sandstone
- 1860 light brownish gray medium grained sandstone
- 1965 light medium grained sandstone, with sandy shale breaks at 1865' and 1925'.
- 2018 white fine grained sandstone
- 2025 gray shale
- 2040 gray sandy shale
- 2050 gray medium grained sandstone
- 2075 gray medium grained shale with few fragments of slightly limy material
- 2165 gray fine grained sandy shale, with streaks of coal at 2150 to 2165.
- 2190 white fine grained sandstone
- 2205 brownish gray medium grained sandstone
- 2255 gray, medium grained sandstone with breaks of shale and sandy shale at various intervals
- 2260 light gray medium grained sandy shale, with little gray sandstone
- 2292 gray medium grained sandstone with few specks of lime
- 2325 gray medium grained sandstone
- 2392 white fine grained sandstone
- 2405 gray fine grained sandy shale
- 2430 gray medium gray sandstone with beds of sandy shale
- 2458 white fine grained water sandstone, making about 3 bailers of salt water an hour from 2430-2438'
- 2483 brownish gray fine sandstone with streaks of coal (2 or 3 ft. at about 2475')
- 2540 white to brownish gray fine sand
- 2555 white medium sand with asphalt
- 2560 white medium sand
- 2620 dark gray sandy shale
- 2710 gray shale with fragments of sandstone and limestone
- 2775 limy shale with some sandstone
- 2795 sandstone
- 2825 sandy shale, dark
- 3285 limy shale (reddish brown shale 2865')
- 3315 dense black shale
- 3430 blue shale, little lime
- 3475 dark limy shale
- 3546 hard argillaceous limestone, light color
- 3574 limestone, fine grain, grayish white to brownish with depth
- 3650 light gray limestone with thin soft black shale interbedded; some fine cherty material included

Sinclair Oil Company — Bessemer Coal Iron & Land Co. No. 2 (No. 109 on map)

(Continued)

3665 dark gray limestone and black shale interbedded in about equal amounts; shale increasing with depth with fine chert fragments included, increasing in amount with depth.
TOTAL DEPTH

SUMMARY

Coal Measures	0-2165
Millstone Grit	2165-2620
Pennington (?)	2620-3475
Bangor (?) or Tuscumbia	3475-TD

Alabama Central Oil & Gas Company — Freeman No. 1 (No. 110 on map)

Located: Approx. in the Center of the NE/4 of Sec. 21, T. 16 S., R. 11 W.

Began: ?

Completed: 1910 or 1911

Elevation: 460'

Csg. Record: 8" @ 400'
3 7/8" @ 2000'

0- 15 Cretaceous sand
110 slate, black
185 lime, broken
270 slate, black
275 coal
480 slate and shale
483 coal
493 fire clay
533 sand, dark
623 slate
628 coal
638 fire clay
673 sand, dark
813 lime, broken
898 slate, black
923 lime, shale
978 sand, show of oil 10' from top
1128 shale, black
1213 sand, show of oil 5' from top
1243 lime, broken

Alabama Central Oil & Gas Company — Freeman No. 1 (No. 110 on map)
(Continued)

- 1468 slate, black
- 1558 sand, Fayette (?) gas and show of oil 10' from top
- 1575 slate and shale
- 1711 slate, black
- 1936 sand, good show of gas 90' from top
- 1970 slate, black
- 2020 sand, show of gas in bottom
- 2040 slate, black
- 2050 sand
- 2085 shale, black
- 2250 sandstone, large amount of salt water 145' from top and 4' coal seam at 2250'
- 2350 sandstone, massive
- 2360 shale, limey
- 2544 sandstone (salt water at 2475' and 2530')
- 2704 limestone (?) rotten
- 2754 red rock (limestone)
- 2932 limestone to bottom of hole (supposed to be on top of Hartselle sandstone when the tools were lost and the hole abandoned.)

TOTAL DEPTH

Alabama-Central Oil & Gas Co. — Wood No. 1 (No. 111 on map)

Located: NW/4 SE/4 Sec. 4, Twp. 16 S., Rge. 11 W.

Began. ???

Completed: ????

Elevation: 406'

Casing Record: ?

- 0- 11 soil
- 36 sand and shale
- 185 black shale
- 240 soft black shale
- 294 fire clay and slate
- 376 sandstone conglomerate
- 482 sandy grayish shale
- 514 sand
- 599 shale, sandstone and slates
- 706 gray sandstone and slate
- 847 slate and shells (limy and hard)
- 881 sand, show of oil at top
- 889 dark shale

Alabama-Central Oil & Gas Co. — Wood No. 1 (No. 111 on map)

(Continued)

- 936 grayish sand, show of oil at top
- 1064 slate and limy shales
- 1284 soft black shale
- 1288 hard grayish limestone
- 1328 sand gray, show of oil in top
- 1336 shale
- 1367 sand, gray, show of oil
- 1489 black slate
- 1522 shells and limestone
- 1547 black slate (limy)
- 1617 sand and flowing salt water.

TOTAL DEPTH 1685'. Stopped well in sand.

S. A. Hobson — J. W. Willingham No. 1 (No. 112 on map)

Located: About 125 yds. E. and 50 yds. S. of center of Sec. 10, Twp. 16 S.,
Rge. 11 W.

Began: 6-2-1911

Completed: 6-7-1911

Elevation: ?

Casing Record: ?

- 0- 10 soil
- 17 shale and shaly sandstone
- 21 coal and fireclay
- 23 sandy shale
- 24 coal and fireclay
- 27 shale
- 56 micaceous sandstone
- 194 shale and shaly sandstone
- 206 shaly sandstone
- 220 shale
- 222 coal and fireclay
- 234 sandstone, show of oil
- 240 shale, fossils plants
- 243 coal and fireclay
- 262 shale and sandy shale
- 265 coal and fireclay
- 321 sandstone with streaks shale

TOTAL DEPTH.

Providence Oil & Gas Company, (21), W. S. Harkins No. 2 (No. 114 on map)

Located: NW/4 of SE/4, Sec. 10, T. 16 S., R. 11 W.

Began: 12-16-1911

Completed: 2-26-1912

Elevation: ?

Csg. Record: ?

0-	10	sand and gravel
	18	ferruginous sandstone
	25	soft yellow mud (decomposed shale)
	30	white sandstone
	33	coal
	75	white sandstone
	90	shale
	93	coal
	320	black shale
	330	white sandstone (showing of gas in this sand)
	435	shale
	460	sandstone
	695	sandy shale
	725	fine hard sandstone
	728	coal and shale
	800	hard shale
	925	black shale and sandstone
	965	gray sandstone
	970	shale
	1060	white sandstone
	1250	gray shale and sandy shale
	1300	blue sandstone, small show of blk. oil, in sd. at 1255'
	1320	sandstone, with water
	1330	blue sandstone
	1345	black, sandy shale
	1495	shale, set csg. at 1420'
	1520	shale
	1785	sandstone
	1790	shale
	1805	sandstone
	1825	shale
	1880	sandstone
	1900	shale
	1998	white sandstone, little show gas at 1975'
	2038	hard black sandstone
	2042	white sandstone
	2048	shale and sandstone, show gas at 2059'
	2068	white sandstone

TOTAL DEPTH

Five Rivers Oil & Gas Company — Fowler-Maddox No. 1 (No. 115 on map)

Located: NE/4 SE/4, Sec. 27, T. 16 S., R. 12 W.

Began: ?

Completed: 2-?-1912

Elevation: ?

Casing Record: ?

0- 160 shale
200 sand
325 shale
340 sand
415 shale, salt water
450 sand (some gas)
1025 shale
1120 sand (considerable gas)
1380 shale
1640 sand
1860 shale
1870 sand
1920 shale
2030 white sand
2100 shale
2130 sand
2220 shale
2285 plus shale
2335 gray sand, very hard
2385 error in measurement

(last 155 ft. believed to be limestone and shale, since it was so hard to drill)

TOTAL DEPTH

Providence Oil & Gas Co. (20) — W. G. Clifton No. 1 (No. 116 on map)

Located: SW/4 NW/4 Sec. 13, Twp. 16 S., Rge. 12 W.

Began: 11-18-1911

Completed 2-5-1912

Elevation: 425'

Casing Record: ??

0- 57 quicksand and soil
415 no record, hole full of water at 120'
425 coal and fire clay
870 black shale; streaks of sandy shale and light shows gas at 795'.
970 gray sandstone, very hard, little water.

Providence Oil & Gas Co. (20) — W. G. Clifton No. 1 (No. 116 on map)
(Continued)

1015 shale
1075 hard sandstone, showing of black oil
1414 shale
1650 sandstone, hole full of water
1650 shale
1895 hard sandstone, hole full water at 1850
1910 black shale
2000 sandstone, showing of oil
2275 hard gray sandstone

TOTAL DEPTH:

SUMMARY

Top Coal Measures	57'
Top Fayette Sand	1225'
Top Millstone Grit	1650'

REMARKS: Encountered water at 2200'; hole full and running over top at 2275'. Pulled casing at 1625' and reamed hole at 8½" to 1925' and set casing with bottom hole packer and continued drilling 6½" hole from 2000' to 2275'. All casing drawn. Making gas thru the water, used in farm house. Warm water and salt.

Providence Oil & Gas Company, (18)—Lewis-Cazzier No. 1 (No. 117 on map)

Located: NW/4 NE/4, Sec. 11, T. 16 S., R. 12 W.

Began: 7-31-1911

Completed: 12-?-1911

Elevation: 350'

Casing Record: ??

0- 4 sand
24 clay
44 sand
69 clay
114 sand
141 shale
144 slate
179 shale
199 sand
264 shale
272 slate, water

Providence Oil & Gas Company, (18)—Lewis-Cazzier No. 1 (No. 117 on map)
(Continued)

332 shale
356 sand
401 shale
416 lime
456 shale, showing of coal
476 sand
481 shale
506 sandy shale
596 shale
602 sand
612 lime
647 shale
667 sand, showing of gas
682 shale, sandy
742 shale
802 sand, good showing of oil
887 shale
917 sand, good showing of oil
1017 shale, sandy
1152 shale
1157 sand
1177 shale
1247 sand
1391 shale
1488 sand (Fayette ?), smell of oil in top
1517 shale
1610 sand, salt water
1616 shale, sandy
1621 shale
1629 lime, sandy
1650 lime shells, sand and shale
1690 lime, black
1725 lime, sandy
1920 sand
1875 sand
1885 sand
1950 shale
1986 sand

TOTAL DEPTH

Providence Oil & Gas Company (19)—E. B. Newton No. 1 (No. 119 on map)

Located: SE/4 of NW/4, Sec. 3, T. 16 S., R. 12 W.

Began: ?

Completed: 2-5-1912

Elevation: 385'

Casing Record: ?

0- 45 alluvium
110 sand
240 shale
243 coal
355 slate
257 coal
415 slate
460 sand, showing of gas at 460'
500 slate
530 lime
570 slate
590 lime
675 shale
705 black lime
785 sand, small show salt water at 765'
795 slate, black
890 lime, bluish
915 slate
1085 lime, sandy and slate
1120 slate, black
1145 sand
1165 shale, sandy
1240 sand, hole full salt water at 1190'
1340 lime, black
1385 lime, black and shelly
1600 sand (traces of oil at 1385' and small show of gas; salt water at 1395')
1675 lime, black
1770 lime, sand and shells
1915 lime, sandy and slate—show of gas
1965 sand
1990 slate
2102 sand, strong flow fresh water at 2065', overflowing at 2102'

TOTAL DEPTH

Providence Oil & Gas Company, (23) — Sparks & Sparks No. 1 (No. 120 on map)

Located: SW/cor SW/4 SE/4 Sec. 3, Twp. 16 S., Rge. 12 W.

Began: 3-19-1912

Completed: 4-12-1912

Elevation: 350'

Casing Record: 10" @ 49'
6 $\frac{3}{8}$ " @ 1380'

0- 49 alluvium
145 hard sand
225 slate
440 shale, gas at 300'
460 blue sand
515 shale
540 blue sand
565 shale
580 black lime
760 slate
850 blue sand, showing of oil at 810'
920 shale
955 blue sand
980 shale
1005 limey sand
1030 slate, sand and shells
1040 shale
1085 shale
1300 limey shale
1380 sand, showing of oil at 1310'; 8 bailers water per hour at 1315'.
1530 shale
1650 broken sand
1670 shale
1690 sandy lime
1707 water sand, slightly salt water. Hole filled up 250' an hour.

TOTAL DEPTH

Providence Oil & Gas Co., (2) — B. W. Spiller, No. 1 (No. 121 on map)

Located: On E. Side of NE/4 - NW/4, Sec. 10 Twp. 16 S., Rge. 12 W.

Began: ??

Completed: 1-?-1910

Elevation: 333'

Casing Record: ?

- 0- 8 soil
- 16 sandstone
- 115 bluish argillaceous shale with irregularly sandy, friable, or semi-pulverated strata.
- 129 dark argillaceous shale with many aquatic shell fragments
- 132 coal and fire clay
- 206 rather coarse sandstone growing gradually massive and finer-grained
- 314 argillaceous and semi-argillaceous shale with occasional ledges of fine-grained, light gray to whitish sandstone
- 322 sandstone, slightly saturated with oil
- 348 irregular alternations argillaceous and semi-argillaceous shale and shaly sandstone
- 350 semi-cannel coal (guessed at)
- 355 shaly sandstone and fire clay
- 379 argillaceous and semi-argillaceous shale with unlocated fire clay
- 422 irregular alternations argillaceous and sandy shale with unlocated fire clay
- 428 argillaceous shale
- 447 light colored saturated sandstone
- 496 argillaceous and semi-argillaceous shale (shot at 490' 30 qts.)
- 501 fine-grained grayish sandstone
- 585 argillaceous and gritty shale
- 602 gray sandstone
- 666 argillaceous and semi-argillaceous shale
- 674 tight-grained sandstone
- 788 irregular alternations of sandstone and shale (mainly shale)
- 814 sand
- 838 shale
- 874 sand
- 896 shale
- 969 sand
- 1089 shale
- 1108 sand
- 1188 argillaceous shales with several thick ledges of sandstone
Sandstone growing whiter and developing strong flow of slightly salt water. (Tools lost in well and abandoned.)
Last item guessed at as to thickness.
Shale and sandstone alternatives to 1243.
Sandstone with much salt water to 1318.

TOTAL DEPTH 1328'

Providence Oil & Gas Co., (4)—J. D. B. Hooper No. 1 (No. 123 on map)

Located: Near East side NW/4 of NE/4, Sec. 4, Twp. 16 S., Rge. 12 W.

Began: ??

Completed: 1910

Elevation: 346'

Casing Record: ??

- 0- 66 massive sandstone, weathered soft, leached, pulverulent, grown hard and gray at 40 ft. and shaly at 50 ft. with strong fresh water about 50 ft.
69 fire clay
204 irregular alternations argillaceous and semi-argillaceous shale with extraordinary amount of unlocated fire clay (whether separate seams or slough-off from above undetermined)
210 coal and much fire clay
306 argillaceous and sandy shale
337 massive gray sandstone, some coal
376 argillaceous shale
439 light colored slightly saturated sandstone
471 shales
531 argillaceous sandy shales
653 saturated chocolate sandstone with streaks of gray; gas; sandstone and argillaceous shale
655 coal (no fire clay)
706 gray sandstone gradually developing gas
754 white sand, strong flow salt water completely drowning out the gas
783 argillaceous shale full of shell fragments
793 dark saturated sandstone
796 coal and fire clay
814 slightly saturated sandstone
822 argillaceous shale
1096 argillaceous shale with several thick ledges of extremely hard slightly saturated sandstone.

Record not kept for next 90 to 100 feet, because of negligence of the driller, but supposed to be irregular alternations of shale and sandstones. Drilling discontinued about 1265'. Alternating shale and sandstone.

Providence Oil & Gas Company, (17), J. M. McConnell No. 1 (No. 124 on map)

Located: Center NE/4 - NE/4 Sec. 5, Twp. 16 S., Rge. 12 W.

Began: 6-20-1911

Completed: 8-7-1911

Elevation: 321'

Casing Record: 10" @ 10'

8 1/4" @ 320'

6 5/8" @ 1220'

5 3/16" @ 1652'

0- 15' soil
20 gravel
21 coal
51 shale
85 sand
264 shale
265 coal
285 shale
286 coal
440 shale
470 sand, showing of oil
520 sandy shale
705 shale
730 sand
755 shale
830 sand
885 shale
925 sand
930 shale
945 sand
1045 sand and shale
1120 shale
1170 sand
1255 shale
1350 sand
1351 shale
1361 very black sand
1495 shale
1595 sand
1610 shale
1652 sand with showing of gas

TOTAL DEPTH

Providence Oil & Gas. (36). W. A. Ayrs No. 1 (No. 125 on map)

Located: NW/4 - SW/4 Sec. 5, Twp. 16 S., Rge. 12 W.

Began: 2-26-1917

Completed: 4-18-1917

Elevation: 320'

Casing Record: ??

0- 65 dark gray to black shale
125 dark shaly to friable sandstone
285 dark gray to black shale
325 fine gray friable sandstone
345 dark gray sandy shale
355 fine gray friable sandstone
415 dark gray to black shale
445 dark gray sandy shale
475 dark gray to black shale
545 gray fine friable to shaly sandstone
555 dark gray to sandy shale
595 dark gray to black shale
665 dark gray sandy shale
675 dark gray to black shale
715 dark gray sandy shale
735 fine dark gray friable sandstone
785 dark gray shale
815 fine gray friable sandstone
855 dark gray sandy shale
875 fine white friable sandstone
900 sand, no gas
905 dark gray to black shale
925 very fine dark gray friable sandstone
1005 dark gray to black shale
1045 dark gray sandy shale
1065 fine white sandstone, brown shale
1125 dark gray to black shale
1195 fine light gray sandstone
1215 dark gray sandy shale
1275 dark gray to black shale
1355 gray friable sandstone
1415 fine white friable sandstone
1455 dark gray sandy shale
1535 dark gray to black shale
1565 fine to very fine gray friable sandstone.
1645 very fine white friable to hard sandstone
1655 fine gray sandstone (looks good)
1666 fine, hard gray sandstone
1675 dark gray to black shale
1695 very fine white friable (hard sandstone)
1700 extremely fine, white friable (hard) sandstone

TOTAL DEPTH

Providence Oil & Gas. (36). W. A. Ayrs No. 1 (No. 125 on map)
(Continued)

SUMMARY

Top Coal Measures	35'
Top Fayette Sand	955'
Top Millstone Grit	1275'

Providence Oil & Gas. (37), T. F. Lindsey No. 1 (No. 126 on map)

Location: SW/4 - SW/4, Sec. 8, Twp. 16 S., Rge. 12 W.

Began: 5-17-1917

Completed: 6-28-1917

Elevation: 316'

Casing Record: ?

0-	65	gray, friable sandstone
	105	fine to very fine hard gray sandstone
	135	dark gray sandy shale
	245	dark gray to black shale
	265	dark gray sandy shale
	445	dark gray to black shale
	465	dark gray, to sandy, micaceous shale
	475	dark gray to black shale
	495	dark gray sandy, micaceous shale
	595	dark gray to black shale
	645	dark gray sandy shale
	735	dark gray to black shale
	755	dark gray sandy shale
	855	dark gray to black shale
	935	medium to fine gray to white, friable sandstone
	945	dark gray sandy shale
	985	dark gray to black shale
	1005	dark gray sandy shale
	1045	dark gray to black shale
	1055	dark gray, sandy and micaceous shale
	1105	dark gray to black shale
	1125	fine hard white sandstone
	1215	dark gray sandy shale
	1295	dark gray to black shale
	1355	dark gray sandy shale
	1402	dark gray to black shale
	1425	medium to fine gray friable sandstone
	1448	fine white friable sandstone
		TOTAL DEPTH: D&A

SUMMARY

Coal Measures	0-1402
Millstone Grit	1402-1448

Five Rivers Oil & Gas Company, T. E. Goodwin No. 1 (No. 128 on map)

Located: In center of NW/4 NW/4 SW/4, Sec. 17, Twp. 16 S., Rge. 12 W.

Began: ??

Completed: 1912

Elevation: ?

Casing Record: ?

- 0- 20 soil
- 270 sand
- 350 shale
- 415 sand
- 540 black slate
- 580 gray shale
- 665 sandy shale
- 765 dark slate
- 805 gray sand (small oil show 1st screw)
- 840 hard black rock
- 912 dark shale
- 967 light gray shale (gas 1st screw; 100,000 ft. gas 4th screw; showing oil below each hard shell to bottom to hole; 36 gravity.

Hole abandoned for lack of funds.

Providence Oil & Gas. Co. (31) — J. M. Williamson No. 1 (No. 129 on map)

Located: W/2 of SE/4 - SW/4. Sec. 16, Twp. 16 S., Rge. 12 W.

Began: 5-2-1916

Completed: 6-6-1916

Elevation: 320'

Casing Record: ??

- 0- 26 soil, etc.
- 45 medium gray sandstone
- 55 black shale
- 75 fine gray sandstone
- 105 medium dark gray sandstone
- 145 black sandy shale
- 155 black shale
- 165 dark gray shaly sandstone
- 175 black sandy shale
- 205 soft black shale
- 255 fine to medium gray sandstone
- 315 dark gray sandy shale
- 375 dark gray to black shale
- 445 shaly sandstone, traces of coal
- 455 black sandy shale

Providence Oil & Gas. Co. (31) — J. M. Williamson No. 1 (No. 129 on map)
(Continued)

475	shaly sandstone, trace of coal
495	black sandy shale
515	dark gray shaly sandstone
545	black sandy shale
605	dark gray shaly sandstone
635	black shale
705	dark gray shaly sandstone
735	black sandy shale
815	black shale and sandy shale
855	dark gray shaly sandstone, brackish water
875	black sandy shale
855	black shale
895	dark gray shaly sandstone
905	black sandy shale
915	dark gray shaly sandstone
945	black sandy shale
955	fine black friable sandstone
965	black shale
985	missing
1005	hard gray shale and sandstone
1015	fine gray sandstone and shale
1035	black shale
1045	black shale and gray sandstone
1065	dark gray sandy shale
1075	black shale
1095	friable gray sandstone and coal
1145	soft black shale
1155	soft black shale and sandstone
1165	fine friable sandstone and shale
1315	soft, dark gray, sandy shale
1335	dark gray, shaly sandstone
1375	dark gray, sandy shale
1385	dark gray shaly sandstone and coal
1400	fine, gray, friable sandstone
1428	fine, light gray, friable sandstone

TOTAL DEPTH

Providence Oil & Gas Co. (33), J. M. Williamson No. 2 (No. 130 on map)

Located: NE/4 NW/4 SE/4 Sec. 16, Twp. 16 S., Rge. 12 W.

Began: 9-1-1916

Completed: 9-20-1916

Elevation: 360'

Casing Record: ??

0- 55 soil and valley drift
255 dark gray to black
265 dark gray sandy shale
375 dark gray black shale
425 fine gray friable sandstone
455 fine gray shaly sandstone
465 dark gray sandy shale
495 dark gray to black shale
515 dark gray sandy shale
535 dark gray shaly sandstone
595 dark gray sandy shale
625 dark gray to black shale
635 dark gray sandy shale
655 dark gray to black shale
695 dark gray sandy shale
745 fine gray friable sandstone
795 dark gray sandy shale
825 very fine dark gray friable sandstone
875 dark gray to black shale
905 dark gray sandy shale
915 dark gray sandy shale and sandstone
925 dark gray to black shale;
945 dark gray sandy shale
965 dark shaly sandstone
1045 fine gray friable sandstone
1075 dark gray to black shale
1155 sandy shale and fine gray sandstone
1175 dark gray to black shale
1285 fine, hard to friable, gray sandstone and shale
1295 dark gray, sandy shale
1415 dark gray to black shale
1445 dark gray sandy shale
1505 dark gray to black shale
1545 fine, light gray friable sandstone
1550 fine, white loose even grained sand
Total Depth

Providence Oil & Gas Co. (33), J. M. Williamson No. 2 (No. 130 on map)
(Continued)

SUMMARY

Top Coal Measures	55'
Top Fayette Sand	1095'
Top Millstone Grit	1505'

REMARKS: Fayette sand of excellent quality, but no gas. COAL: 375' to 395'; 625' to 645'; 675' to 695'. Little fresh water at 390'; salt water at 1550'; 5 bailers in 40 minutes. Small amount of GAS at 910'; no gas in Fayette sand.

Fayette Oil & Gas Co. — Kennedy No. 1 (No. 131 on map)

Located: 3 miles East of Kennedy, Sec. 17, T. 17, R. 13 W.

Began: 9-12-1910

Completed: 1911

Elevation: ?

Casing Record: ?

0- 396 clay, sand and gravel
499 sandstone
592 shale and shaly sandstone
698 sandstone
968 sandstone, sandy shale and shale
1008 sandstone
1028 shale
1161 sandstone, traces of oil and gas in upper part
1261 shale and shaly sandstone
1290 sandstone
1606 shale and shaly sandstone
1635 sandstone
1650 shale (Fayette sand not reached)

TOTAL DEPTH

Cosmos Oil & Gas Company. — J. R. Strong No. 1 (No. 132 on map)

Located: NE/4 - SE/4 - NW/4. Sec. 9, Twp. 16 S., Rge. 12 W.

Began: ??

Completed: ??

Elevation: 323'

Casing Record: ??

Drilled with diamond drill.

- 0- 12 sand, Cretaceous
- 17 clay, Cretaceous
- 81 alternating gray, micaceous sandstone and shale
- 133 light colored arenaceous shale, with many thin bands of gray micaceous sandstone
- 159 dark gray shale; no sandstone; very soft and shaly
- 171 massive green shale, brown at top, grades down into fine, greenish grey micaceous sandstone, only 3' of true shale and that contains much mica.
- 180 fine gray, micaceous sandstone
- 227 massive, brown sandstone, saturated with oil. In part highly micaceous. Near bottom is a small lens of coal
- 265 alternating gray, micaceous sandstone and shale. Finely banded and highly micaceous.
- 345 light and dark gray shale. Becomes darker downward. A few clay iron stone nodules in lower part. Abundant fossil plants
- 350 massive greenish shale. Brown (by oxidation) at top. Grades downward into sandstone. Some fossil plants.
- 362 massive, very coarse, micaceous, brown sandstone. Impregnated with oil.
- 424 gray, micaceous sandstone, some shaly layers
- 536 alternating sandstone and shale. Shale increases downward
- 673 dark gray to black shale. Very soft and free from grit. Slickensided throughout, with many minute faults. Some sandstone streaks and at bottom very dense and hard sandstone.

711 TOTAL DEPTH

Fayette Gas Compnay. — W. A. Anderson No. 1 (No. 133 on map)

Located: SE¼ NW¼ Sec. 8, Twp. 16 S., Rge. 12 W.

Began: ??

Completed: ??

Elevation: 319'

Casing Record: ??

- 0- 22 soil
- 94 shale
- 166 hard sand (water at 150')
- 201 shale 35'

Fayette Gas Compnay. — W. A. Anderson No. 1 (No. 133 on map)
(Continued)

305 hard sand
313 slate
333 sandstone
693 hard slate
765 slate
1138 sand
1258 slate
1339 sand
1366 black slate
1446 sand, salt water at bottom

TOTAL DEPTH, 1513

Providence Oil & Gas Company (12) — J. R. Strong No. 4 (No. 134 on map)
Located: SW/cor. NW/4, NW/4, Sec. 16, Twp. 16 S., Rge. 12 W.
Began: 6-11-1910 Completed: 9-13/1910
Elevation: 360' Casing Record: ??

0- 10 clay
72 quicksand (decomposed sand) fresh water 60'
150 clay
265 dark gray coarse shale
273 coarse gray sandstone
275 coal
375 coarse gray sandstone
715 shale
740 hand gray sandstone
972 shale
1127 sandstone
1217 shale
1252 sandy shale
1287 sandstone
1342 shale
1364 sandstone
1420 sandy shale
1449 sandstone, growing harder and lighter, good show of gas
1479 sandstone
1513 shale
1544 sandstone, gas sand (Fayette)

Shot gas sand and no results.

No further record. Makes no gas.

TOTAL DEPTH

SUMMARY

Coal Measures	0-1420
Millstone Grit	1420-1449
Coal Measures	1449-1544 (Suggests a fault)

Providence Oil & Gas Co. (13). — J. R. Strong No. 5 (No. 135 on map)

Located: Near center of NE/4 - NW/4, Sec. 16, Twp. 16 S., Rge. 12 W.

Began: 6-20-1910

Completed 9-14-1910

Elevation: 386'

Casing Record: ??

0- 22 clay
23 sand and gravel
35 clay (decomposed shale)
45 quicksand (decomposed shale)
85 clay and quicksand (decomposed shale and sandstone)
130 gray sandstone
135 shale
140 sandstone
150 shale
160 sandstone
332 shale
365 sandstone
No record 365' to 490'
490 sandstone
495 shale
548 sandy shale
568 gray sandstone
608 sandy shale
628 sandstone
682 sandy shale
767 sandstone
805 shale
810 sandstone
824 coarse dark shale
855 sandstone, growing darker
879 sandy shale, good showing of gas 866'
999 sandstone (upper sand) at 991' reports good show of gas.

TOTAL DEPTH.

SUMMARY

0- 999 in COAL MEASURES.

Providence Oil & Gas Co. (30) — J. R. Strong No. 6 (No. 136 on map)

Located: Center of NE/4 of NW/4, Sec. 16, Twp. 16 S., Rge. 12 W.

Began: 2-29-1916

Completed 3-16-1916

Elevation: 333.3'

Casing Record: ??

- 0- 60 gravel and quicksand
- 80 gray, sandy shale with pyrite
- 170 hard gray sandstone
- 190 fine, light gray sandstone, some pyrite
- 210 black shale
- 220 very fine friable, gray sandstone
- 230 black shale
- 240 very fine friable, gray sandstone
- 250 black shale
- 270 dark gray sandy shale
- 340 dark gray, shaly sandstone
- 420 dark gray sandy shale
- 540 dark gray, shaly sandstone
- 590 dark gray, sandy shale
- 650 very fine, friable, gray sandstone
- 690 dark gray, sandy shale
- 820 black shale, in part sandy
- 830 fine, brownish sandstone with gas (upper sand)
- 890 black, sandy shale
- 1000 light gray to white, sandstone—somewhat gassy.
- 1010 black shale
- 1020 very fine, gray sandstone
- 1090 black shale
- 1100 fine, gray sandstone (gassy)
- 1130 very fine, sandy shale
- 1150 fine, light gray sandstone (gassy)
- 1160 black shale
- 1200 very fine, gray sandstone (gassy)
- 1340 black shale (gassy)
- 1350 dark gray, sandy shale
- 1443 black shale
- 1453 fine gray sand (top of Fayette)
- 1463 medium, light gray sandstone, with plenty of gas and trace of oil.
- 1473 fine light gray sand, very gassy

TOTAL DEPTH

SUMMARY

Top Coal Measures	60'
Top Fayette Sand	1089'
Top Millstone Grit	1443'

Providence Oil & Gas Co. (29) —W. R. Strong No. 1 (No. 137 on map)

Located: Near center of NE/4, Sec. 8, Twp. 16 S., Rge. 12 W.

Began: 1915

Completed: ??-1915

Elevation: 316.2'

Casing Record: ??

0- 40 soil and gravel
50 medium gray sandstone
90 gray sandy shale
140 black shale
190 gray sandy shale
280 black shale
340 dark gray sandy shale
440 black shale
470 medium to fine gray sandstone
580 dark gray sandy shale—becoming less sandy downward
600 dark gray shaly sandstone water and a little gas
620 dark gray sandy shale
660 dark gray to black shale
760 dark gray, sandy shale
790 dark gray shaly sandstone
850 dark gray sandy shale
910 dark gray shaly sandstone
990 dark gray to black sandy shale
1010 brownish gray, shaly sandstone
1050 dark gray sandy shale
1090 fine gray to light gray sandstone
1110 dark gray, shaly sandstone
1180 fine light gray to white sandstone
1210 black shale
1250 dark gray, shaly sandstone
1260 black shale
1330 dark gray, sandy shale
1350 black shale, slight cave
1370 dark gray, sandy shale
1400 black shale
1433 medium gray sandstone to fine friable, white sandstone.

TOTAL DEPTH

SUMMARY

Coal Measures 50-1400
Millstone Grit 1400-1433, salt water

S. A. Hobson. — J. R. Strong No. 1 (No. 138 on map)

Located: NW/corner, of NE/4 - SW/4, Sec. 9, Twp. 16 S., Rge. 12 W.

Began: ??

Completed: 1909

Elevation: ?

Casing Record: ?

- 0- 5'6" soil
8'2" brown sandstone (colored by weathering)
31'2" coarse gray micaceous sandstone
84 sandstone with streaks of shale
105 gray shale, slightly sandy with occasional thin strata of sandstone
196 bluish shale (argillaceous) with occasional thin sandy streaks
219 sandstone
225'6" sandstone (with occasional thin streaks of shale)
240'6" rather coarse sandstone (perceptibly impregnated with petroleum and colored brownish by petroleum or gas, or both)
365'3" fine grained, bluish, argillaceous shale (last 50' full of aquatic fossils)
366'2" coal
368'2" fireclay
392'2" sandstone
412'2" sandstone, rather coarse grained, colored brown with rich colored brightish brown petroleum, so strongly impregntaed as to ooze out along the core.
457'2" sandstone with a few very thin strata finely laminated shale

TOTAL DEPTH

Providence Oil & Gas Co., (16)—W. A. Anderson No. 1 (No. 140 on map)

Located: NE/Cor. NW/4 - NE/4, Sec. 8, Twp. 16 S., Rge. 12 W.

Began: 5-10-1911

Completed: 6-1-1911

Elevation: 316.5'

Casing Record: ??

- 0- 5 soil
16 gravel
60 sandy shale
210 shale
220 sandstone, showing black asphaltum oil
240 sandstone
364 shale
365 coal
448 sandstone, showing black asphaltum oil

Providence Oil & Gas Co., (16)—W. A. Anderson No. 1 (No. 140 on map)
(Continued)

960 shale
972 sandstone, showing of gas
985 shale
990 sandy shale, showing of gas with petroleum color
1040 shale
1070 sandstone
1085 shale
1155 sandstone, salt water
1210 shale
1230 sandstone
1300 shale
1318 sandstone
1460 shale
1475 sandstone, slight showing of oil
1509 sandy shale

TOTAL DEPTH.

SUMMARY

Coal Measures 16-1509

Providence Oil & Gas Co., (35)—Anderson-Burns No. 1 (No. 141 on map)

Located: SE/4 SW/4 NE/4 Sec. 8, Twp. 16 S., Rge. 12 W.

Began: 12-19-1916

Completed: 1-15-1917

Elevation: 317'

Casing Record: ??

0- 40 soil, river gravel and sand
65 dark gray to black shale
75 dark gray sandy shale
95 dark gray shaly sandstone
155 fine to very fine dark gray friable sandstone
165 dark gray sandy shale
185 very fine, dark gray friable and shaley sandstone
205 dark gray sandy shale and shaly sandstone
235 dark gray to black shale and shaly sandstone
295 dark gray to black shale
415 dark gray shaly sandstone and sandy shale
425 dark gray to black shale
455 dark gray sandy shale
465 fine, friable sandstone oxidized

Providence Oil & Gas Co., (35)—Anderson-Burns No. 1 (No. 141 on map)
(Continued)

485	very fine dark gray friable sandstone
615	dark gray to black shale
645	fine gray friable sandstone
765	dark gray to black shale
785	dark gray to sandy shale
855	dark gray to black shale
885	dark gray sandy shale
895	fine gray friable sandstone
905	dark gray to black shale
955	fine gray to white friable sandstone
1025	dark gray to black shale
1065	fine light gray friable sandstone
1075	dark gray to black shale
1135	dark gray to light gray sandy shale
1155	very fine light gray friable sandstone
1265	dark gray to black shale
1335	very fine gray shaly to friable sandstone
1395	dark gray to black shale
1425	black shale
1450	fine white friable sandstone

TOTAL DEPTH

REMARKS: Indications of COAL at 230', 340', 1080' to 1090', 1410' to 1420'.
Indications of OIL at 790' to 850'

First salt water at 1440'; 3 bailers per hour. At 1450' the hole filled up 150' with salt water in one hour. GAS at 840', estimated 130,000 C.F. No gas in Fayette sand, although the sand looked good and was reasonably soft.

SUMMARY

Top Coal Measures	40'
Top Fayette Sand	1108'
Top Millstone Grit	1425'

Providence Oil & Gas Co. (34) — W. V. Burns No. 1 (No. 142 on map)

Located: Center NW/4 - SE/4, Sec. 8, Twp. 16 S., Rge. 12 W.

Began: 11-2-1916

Completed: 11-21-1916

Elevation: 317'

Casing Record: ??

0- 34 soil, river gravel and sand
 55 fine, dark gray, shaly sandstone
 85 fine, dark gray, friable sandstone
 115 very fine, dark gray, shaly sandstone
 125 very fine, dark gray, sandy shale
 205 dark gray to black shale
 255 fine gray friable and shaly sandstone
 265 dark gray to black sandy shale
 315 fine dark gray shaly sandstone
 345 dark gray to black shale
 405 dark gray sandy shale
 435 dark gray to black shale
 465 very fine gray sandstone and black shale
 495 dark gray to black shale
 525 dark gray sandy shale
 565 dark gray to black shale
 605 fine dark gray friable and shaly sandstone
 625 dark gray to black shale
 705 dark gray sandy shale
 745 dark gray to black shale
 785 dark gray sandy shale
 885 dark gray to black shale
 1075 dark gray to black shale
 1105 fine gray friable sandstone
 1125 dark gray sandy shale
 1195 dark gray to black
 1205 fine, gray friable sandstone and shale
 1225 dark gray to black shale
 1265 dark gray sandy shale
 1325 dark gray to black shale
 1355 fine gray shaly to friable sandstone
 1375 dark gray sandy shale
 1450 dark gray to black shale
 1455 medium gray friable sandstone
 1460 dark gray to black shale
 1465 medium, light gray, friable sandstone (Fayette sand)
 1470 fine white friable sandstone (Fayette sand)
 TOTAL DEPTH: D&A

SUMMARY

Coal Measures	34-1450
Top Fayette Sand	1133
Millstone Grit	1450-1470

Providence Oil & Gas Co. — (3) — W. M. Cannon No. 1 (No. 143 on map)

Located: NE/Cor. NW/4 NW/4, Sec. 8, T. 16 S., R. 12 W.

Began: ?

Completed: 4-9-1910

Elevation: 334'

Csg. Record: ?

- 0- 6 soil
- 22 Tuscaloosa clay
- 54 grayish unconsolidated silt shale
- 104 dark fine grained micaceous sandstone, showing very strong stream of fresh water
- 120 very fine grained shaly sandstone
- 186 shaly sandstone and shale
- 192 fine grained sandstone, slightly saturated with petroleum
- 232 same sandstone; coal, gas and slight oil saturation
- 312 same sandstone (232-272 show of oil increased and flowed down ditch)
- 418 shale and shaly sandstone
- 434 light shaly sandstone
- 438 coal and fire clay
- 717 shale and shaly sandstone
- 727 massive fine grained dark sandstone
- 753 shale and shly. sandstone
- 809 purplish, chocolate sandstone, seemingly very strongly saturated with petroleum
- 861 shaly sandstone with some shale
- 891 light gray sandstone, seemingly considerable saturated with petroleum
- 947 shaly sandstone
- 990 shale
- 1070 light colored, massive sandstone; about 50 of sand making strongest show of oil yet seen in the field
- 1102 white fine grained, shaly sandstone, with streaks of shale
- 1150 dark sand, growing lighter and giving very strong odor of oil
- 1346 shale, shaly sandstone and sandstone
- 1440 sandstone with quite a showing of oil
- 1460 shale
- 1554 fine grained, extremely hard white sandstone
- 2300 sandstone grows darker for about 200', then becomes white and coarser grained, showing salt water at about 2,150'. Drilling discontinued in same sand at about 2,300'.

TOTAL DEPTH

SUMMARY

Coal Measures	22-1460
Top Fayette Sand	1074
Millstone Grit	1460

Providence Oil & Gas Co., (22) — R. M. Roberts No. 1 (No. 144 on map)

Located: SE/4 SW/4 NE/4 Sec. 9, Twp. 16 S., Rge. 12 W.

Began: 12-12-1911

Completed: 1-11-1912

Elevation: ?

Casing Record: 10" @ 38'

8 $\frac{1}{4}$ " @ 324'

6 $\frac{3}{8}$ " @ 1350

0- 20 soil
30 mud
100 shale
101 coal
115 sand, fresh water
530 sandy shale
545 sand
780 shale
880 sand
940 shale
955 sand show of gas
1190 shale
1200 sand
1270 shale
1350 sand (salt water)
1564 shale, very black
1589 brown sand, getting lighter (first gas)
1616 gray to white sand, showing some shells last screw, and slight salt water.

TOTAL DEPTH

Well shot with 40 qts. SNG. Slight increase in gas, which has strong petroleum odor.

Providence Oil & Gas Co. (1) — J. V. Sprinkle No. 1 (No. 145 on map)

Located: NE/4 SW/4 SW/4, Sec. 9, T. 16 S., R. 12 W.

Began: ?

Completed: 12-20-1909

Elevation: 317'

Csg. Record: 6 $\frac{1}{4}$ " at 182 feet

0- 24 soil
48 hard, medium grained, gray, micaceous sandstone
110 same sandstone with ferruginous inclusions
150 alternations of sandstone ledges and thin streaks of grayish shale

Providence Oil & Gas Co. (1) — J. V. Sprinkle No. 1 (No. 145 on map)
(Continued)

- 182 gray shale (6¼" casing set)
- 225 shale
- 251 gray, fine grained sandstone, slight show of oil and gas
- 351 bluish shale
- 373 fine grained gray sandstone, with streaks of shale
- 461 sandstone saturated with petroleum (best showing 415-430')
- 474 bluish shale
- 602 alternating light, fine grained sandstone, shale and dark fine grained sandstone
- 607 coal and fire clay
- 831 fire clay, shale, shaly sandstone and thick bedded sandstone
- 975 whitish to dark gray sandstone with thin layers of shale
- 989 shale
- 998 saturated shaly sandstone
- 1030 shale
- 1060 dark coarse sandstone with showing of gas (5' flame)
- 1084 shale
- 1100 alternating shale and chocolate to gray sandstone with coal and fire clay at about 1150'
- 1392 brownish gray shaly sandstone growing massive and white, gas 5th
- 1142 coarse gray sandstone—some gas first screw—growing finer and whiter each screw
- 1158 shale
- 1162 coal and fire clay
- 1212 shale
- 1288 shale with thin layers of gray micaceous sandstone
- 1352 shale—packer set about 1350'
- 1392 brownish gray shaley sandstone growing massive and white, gas 5th screw, gas increased
- 1417 Fayette sand to bottom

TOTAL DEPTH

Providence Oil & Gas Company, (6)—J. V. Sprinkle No. 2 (No. 146 on map)

Located: South Side SW/4 of SW/4, Sec. 9, Twp. 16 S., R. 12 W.

Began: ??

Completed: 4-15-1910

Elevation: 326.8'

Casing Record: 6" @ 288'

- 0- 6 red sandy soil (surface soil)
- 11 yellow sand
- 46 blue clay

Providence Oil & Gas Company, (6)—J. V. Sprinkle No. 2 (No. 146 on map)
(Continued)

- 54 soft, gray, micaceous sandstone and bastard conglomerate of chert pebbles (Probably Tuscaloosa)
- 102 gray sandstone and sandy shales with thin strata of semi-argillaceous shale toward bottom (fresh water)
- 130 argillaceous shales (top 135')
- 140 shale
- 154 sand
- 155 clay 1'
- 193 sand 40'
- 194 clay
- 134 sand 40'
- 265 sand 31'
- 292 shale 27'
- 295 gray sand
- 405 shale
- 413 gray sand
- 418 clay
- 567 shale
- 748 irregular alternations (presumably of sandstone and shale)
- 783 shale 750'-785' 735'-750' sand
- 885 sand (gray) slightly saturated
- 908 gas in sand about 910'
- 954 shale
- 1020 sand
- 1104 shale
- 1145 sand
- 1147 coal
- 1267 irregular alternations mainly argillaceous shale
- 1389 shaly sandstone graduating into the regular gas sand. Well brought in about 1460'
- 1429 sand
- 1497 sandstone—gas and heavy black oil

TOTAL DEPTH ABOUT 1497'

Providence Oil & Gas Co. (8) — J. V. Sprinkle No. 3 (No. 147 on map)

Located: NW/4 SW/4 SW/4 Sec. 9, Twp. 16 S., Rge. 12 W.

Began: ??

Completed: 3-1-1910

Elevation: 316.2'

Casing Record: ?

- 0- 19 soil
- 29 argillaceous shale
- 31 coal and fire clay
- 49 argillaceous shale
- 129 sandstone alternations: massive, coarse grained, fine and shaly. In places very micaceous.
- 172 shale, with unlocated fire clay
- 174 fire clay
- 222 argillaceous shale
- 238 gray micaceous sandstone with show of oil
- 251 gray micaceous sandstone
- 284 shaly sandstone
- 391 argillaceous shale
- 442 coal and sandstone
- 563 irregular alternations of argillaceous shales with several thick layers of sandstone.
- 564 thin coal, and fire clay
- 810 irregular alternations of argillaceous shale, and layers of thick sandstone
- 888 sandstone with show of oil and gas
- 1040 argillaceous shale and thin shaly sandstone
- 1042 coal
- 1061 sandstone, shaly at top
- 1085 shale
- 1117 shaly sandstone
- 1320 fine grained creaceous shale at top graduating into argillaceous shale below.
- 1344 sandstone with gas; shaly at top, growing white and soft below; largest show of gas near bottom.
- 1390 shale, dark gray and sandy above, black and soft below
- 1415 sandstone with gas, shaly at top, growing white and soft below

TOTAL DEPTH

Providence Oil & Gas Co. (10) — J. V. Sprinkle No. 4 (No. 148 on map)

Located: NE/4 - SE/4 - SE/4 Sec. 8, Twp. 16 S., Rge. 12 W.

Began: ??

Completed: 1910

Elevation: 316'

Casing Record: ??

0-	16	clay
	39	gravel
	51	sand
	61	shale
	161	argillaceous shale, clay, and thin sandstone
	178	sand
	199	sandy shale
	203	sand
	244	shale
	263	sand
	303	sand
	311	sand
	518	shale
	521	sand
	577	shale
	605	sand
	642	shale
	700	sand
	730	shale
	740	sand
	774	shale
	777	sand
	819	shale
	864	sandstone with showing of oil

Lower part of record and total depth not given.

Total Depth about 1475'.

Providence Oil & Gas Co., (15) — J. V. Sprinkle No. 5 (No. 149 on map)

Located: N side NE/4 of SE/4 Sec. 8, Twp. 16 S., Rge. 12 W.

Began: 3-15-1911

Completed: 4-15-1911

Elevation: 317.1'

Casing Record: ??

0- 32 soil, etc.
34 coal
95 sandstone
100 shale
105 sandstone
• 120 shale
275 sandy shale, oil
320 sandstone
450 sandy shale
452 coal (water)
585 sandstone
590 shale
897 sandy shale, oil
927 sandstone
1000 shale
1010 sandstone
1105 shale
1283 sandy shale
1368 shaly sandstone, dark brown, oil
1395 sandstone, light gray, first gas, (top of Fayette sand)
1399 sandstone, getting white, gas increasing
1412 sandstone, porous, white, big gas

TOTAL DEPTH, 1422'

This well was a producer and on the pipe line.

SUMMARY

Top Coal Measures	32'
Top Fayette Sand	1051'
Top Millstone Grit	1368'

Providence Oil & Gas Co. (25) — J. V. Sprinkle No. 6 (No. 150 on map)

Located: NE/Cor. NW/4 SW/4, Sec. 9, T. 16 S., R. 12 W.

Began: 9-13-1912

Completed: 12-20-1912

Elevation: ?

Casing Record: ?

0- 20 soil—pieces of coal showing in spud
280 sand—showing of oil at 210'
370 slate
445 sand—showing of oil at 380'
450 slate
570 slate, black, limy
610 lime shells
700 shale, sandy
760 shale and shells
800 shale
845 sand
880 lime, black
940 shale
960 sand—show of oil
1040 shale
1135 sand, white
1290 shale and shells
1315 sand
1470 slate, black
1478 sand, black, slight petroleum odor
1484 lime, black
1518 lime, shells and slate
1623 shale
1703 sand, salt water at 1640'
1728 sand, black
1805 slate
1825 shells
1845 slate
1885 sand
1890 shale, sandy
1940 lime, sandy
1950 sand, black
1990 slate
2098 sand—some water at 2000'
2175 shale, sandy
2190 sand—water increasing

TOTAL DEPTH

Providence Oil & Gas Co. (26) — J. V. Sprinkle No. 7 (No. 151 on map)

Located: SE/cor. NE/4 of SE/4 Sec. 8, Twp. 16 S., Rge. 12 W.

Began: 10-5-1914

Completed: 12-21-1914

Elevation. 316.1'

Casing Record: ??

0- 21 soil, etc.
25 gravel
45 blue shale
46 coal
105 gray sandstone
110 shale
120 sandstone
260 sandy shale and shale
325 sandstone
380 sandy shale and shale
410 sandstone and sandy shale
412 coal
590 sandstone
840 sandy shale
935 sandstone (water at 893)
1150 shale and sandy shale
1160 sandstone
1383 sandy shale
1470 sandstone, fine and dense

TOTAL DEPTH

SUMMARY

Top Coal Measures 25'
Millstone Grit 1383'

REMARKS: Small show gas at 1383', increased at 1395'. Gas burns 3 feet thru one inch pipe. Hole was perfectly dry after last casing (942') until salt water appeared at 1417'. No water in the gas sand proper. Well full of water at 1465'. Failure of this well clearly due to tightness of the Fayette sand.

Providence Oil & Gas Co. (27) — J. V. Sprinkle No. 8 (No. 152 on map)

Located: SE/cor. SW/4 of SW/4 Sec. 9, Twp. 16 S., Rge. 12 W.

Began: 3-2-1915

Completed: 4-14-1915

Elevation: 317'

Casing Record: ??

0- 20 soil and gravel
54 black shale
180 gray sandstone
210 black shale
325 dark gray shale and shaly sandstone
375 sandy shale
860 dark gray to black shale
960 gray sandstone—gas at 900', water at 945'
1120 black shale
1150 gray sandstone
1350 shale and shaly sandstone
1394 black shale
1430 sandstone

TOTAL DEPTH

SUMMARY

Top Coal Measures 20'
Top Millstone Grit 1394'
Well gauged 75,000 c.f. gas before the shot;
Well gauged 260,000 c.f. gas 30 minutes after shot;
Well gauged 200,000 c.f. gas 18 hours after shot.

Providence Oil & Gas Co. (28) — J. V. Sprinkle No. 9 (No. 153 on map)

Located: SW/cor. SW/4 - SW/4 Sec. 9, Twp. 16 S., Rge. 12 W.

Began: 8-11-1915

Completed: 9-1-1915

Elevation: 315'

Casing Record: ??

0- 25 soil and gravel
40 black shale
80 fine, shaly sandstone
156 dark gray shale and sandy shale
160 coal
210 fine to medium, light gray sand
260 dark gray sandy shale

Providence Oil & Gas Co. (28) — J. V. Sprinkle No. 9 (No. 153 on map)
(Continued)

480	dark gray shale
520	dark gray sandy shale
870	dark gray shale
960	dark to light gray shaly sandstone. Salt water 925'
1140	dark gray shale
1180	dark gray, shaly sandstone
1410	sandy shale
1450	sandstone, fine and hard

TOTAL DEPTH

SUMMARY

Top Coal Measures	25'
Top Fayette Sand	1095'
Top Millstone Grit	1410' salt water

Providence Oil & Gas Co., (32) — J. V. Sprinkle No. 10 (No. 154 on map)

Located: SE/4 NW/4 SW/4, Sec. 9, Twp. 16 S., Rge. 12 W.

Began: 7-1-1916

Completed: 8-9-1916

Elevation: 317'

Casing Record: ??

0-	24	soil and river drift
	45	dark gray shale sandstone
	55	gray, friable sandstone, trace of coal
	85	dark gray, shaly sandstone
	125	dark gray, sandy shale
	205	black shale
	225	firm gray, shaly sandstone
	235	fine gray friable sandstone, show of oil
	245	black, sandy shale
	255	dark brown shaly sandstone
	285	gray, friable sandstone
	325	black shale
	375	dark gray sandy shale
	395	black shale
	405	fine gray friable sandstone
	545	black shale
	585	dark gray sandy shale
	595	black shale
	625	dark gray shaly sandstone

Providence Oil & Gas Co., (32) — J. V. Sprinkle No. 10 (No. 154 on map)
(Continued)

645	black shale
655	gray friable sandstone, salt water
675	black shale
715	dark gray sandy shale
765	black shale
787	dark gray sandy shale
815	black shale
835	fine gray friable sandstone
895	dark gray shaly sandstone
925	dark gray sandy shale
975	black shale
985	brownish gray shaly sandstone
1005	dark gray, sandy shale
1075	black shale
1105	fine gray friable sandstone
1115	black shale
1165	fine white friable sandstone
1175	black shale
1195	dark gray sandy shale
1225	dark gray shaly sandstone
1295	black shale
1325	dark gray sandy shale
1345	fine, light gray sandstone
1385	dark gray sandy shale
1398	black shale
1410	brown and gray sandstone
1415	dark gray sandy shale
1485	black shale
1565	dark gray, sandy shale
1615	black shale
1663	fine to very fine friable gray sandstone

TOTAL DEPTH

REMARKS: This is clearly the Fayette sand, although fully 200' below its normal level in the Fayette Pool. No gas, indications of water. Certainly on down throw side (NE side) of fault; and the fault is evidently very tight.

SUMMARY

Top Coal Measures	24'
Top Fayette Sand	1298'
Top Millstone Grit	1615'

Providence Oil & Gas Company, (5) — J. R. Strong No. 1 (No. 155 on map)

Located: SW/cor. NE/4 of SW/4, Sec. 9, Twp. 16 S., Rge. 12 W.

Began: ??

Completed: 1910

Elevation: 333'

Casing Record: ??

- 0- 65 argillaceous and semi-argillaceous shale
- 75 sandstone
- 115 argillaceous shale, sometimes gritty, sometimes very hard, sometimes micaceous, and sometimes pyritiferous. (In above shale one or two seams of fire clay at unlocated points).
- 131 same shale; and shell fragments; also much fire clay
- 142 fire clay and many coal particles; also much coal dust on water
- 154 fire clay and some shale
- 194 sandstone
- 202 argillaceous shale
- 214 coarse grain shaly sandstone with small, very white, quartzitic or calcitic looking crystalline inclusions
- 232 first gas, gas and salt water; rather fine-grained; very micaceous, shaly sandstone, with occasional smoothly rounded, irregular, pod-like brownish, very fine grained particles.
- 256 dark argillaceous shale
- 264 fine-grained gray sandstone
- 267 coal
- 280 same sandstone
- 312 dark argillaceous shale with irregular alternations of more compact, hard, fine-grained brownish semi-sandstone many shell fragments.
- 317 fire clay, some argillaceous shale; and much fine-grained dark to gray micaceous sandstone
- 341 same sandstone, brown massive, with small darkish, carbonaceous-looking inclusions
- 369 dark micaceous, fine-grained shaly sandstone with thin, calcitic-looking inclusions and minute carbonaceous-looking inclusions
- 378 gritty, semi-argillaceous shale
- 383 coal and fire clay
- 479 argillaceous shale with occasional unlocated streaks of fire clay.
- 515 Third oil: Chocolate colored, fine-grained, pulverulent shaly, sometimes micaceous sandstone, interstratified with numerous laminations of argillaceous shale, the sandstone seemingly very strongly saturated with oil.
- 535 argillaceous shale and fire clay
- 572 Fourth oil: same saturated chocolate laminations as above; also seam of unlocated fire clay.
- 612 fine-grained sandstone, white enmasse, but mottled with numerous small carbonaceous-looking particles; also many coal chips.

Providence Oil & Gas Company, (5) — J. R. Strong No. 1 (No. 155 on map)
(Continued)

- 621 argillaceous shale, fire clay, and same sandstone as last above, though much harder and writer.
- 657 Fifth oil: Same sandstone showing saturation of very thin odorless petroleum; with water of a high super-creamy yellow color.
- 663 argillaceous shale, coal, and fire clay
- 690 argillaceous shale, fire clay, some pyrite and brown to gray sandstone, whether said sandstone interstratified with the argillaceous shale or concretionary is undetermined.
- 694 coal, fire clay, argillaceous shale
- 712 Sixth oil: Argillaceous shale with some dark colored shaly sandstone, slightly saturated with thin odorless petroleum.
- 714 coal, fire clay and argillaceous shale
- 726 argillaceous shale with a few ships of grained sandstone
- 728 coal
- 748 sandstone
- 790 fireclay and argillaceous shale
- 810 argillaceous shale
- 812 argillaceous shale and coal with some gray to white sandstone
- 836 argillaceous shale
- 863 gray sandstone
- 873 argillaceous shale and some sand
- 875 coal
- 891 Seventh oil: Dark to light sandstone with distinct odor of petroleum; also some fire clay and many shell fragments
- 967 argillaceous shale, also fire clay and shell fragments at unlocated intervals
- 991 sandstone, very hard, fine-grained and shaly
- 997 argillaceous shale and fire clay
- 1012 fine-grained shaly sandstone
- 1022 argillaceous shale, much fire clay, large sluice of bituminous or carbonaceous suds in each bailer, probably from matter in the fire clay
- 1026 argillaceous shale, fire clay, coal
- 1100 argillaceous shale, very soft three last screws
- 1108 second gas; gray and with slight gas
- 1128 Eighth Oil: Sand and some argillaceous shale laminations; the sand contains a thick, dark, paraffine or asphalt which could be caught in the hand and squeezed into a solid mass with clear indentations of the finger without discoloring hands.
- 1156 sand grown white, clogging bailer, and showing some salt water
- Later drilled to total depth of 2,050'
- 1238 sandstone
- 1324 shale and fire clay and one or two seams of coal
- 1382 sandstone, seams of coal thin seams of coal, odor of petroleum

Providence Oil & Gas Company, (5) — J. R. Strong No. 1 (No. 155 on map)
(Continued)

- 1592 shale and shaly sandstone with seam of coal and fire clay below
middle
1670 sandstone with shale partings above and becoming white and friable
below. Gas at top followed by indications of oil and then salt water
2020 No record.

Providence Oil & Gas Co. (9) — J. R. Strong No. 2 (No. 156 on map)

Located: NW/Corner NE/4 of NW/4 Sec. 16, Twp. 16 S., Rge. 12 W.

Began: 4-8-1910

Completed: 6-4-1910

Elevation: 326.2'

Casing Record: ??

- 0- 18 soil
36 sand and shale
40 coal and fire clay
99 "broken formation, considerable trouble from crevice in rock, but
same remedied."
165 sandstone
227 shale
250 sandstone
265 shale
275 gray sandstone
375 shale
385 sandstone
395 shale
414 asphalt (?)
427 shale
519 sandstone
551 shale
756 shale
786 sandstone
"Lots of gas showing."
791 hard sandstone
866 shale
935 white sandstone
950 shale
964 sandstone
1012 shale
1055 shale and shaly sandstone
1062 coal
1127 shale

Providence Oil & Gas Co. (9) — J. R. Strong No. 2 (No. 156 on map)
(Continued)

1142 hard sandstone
1153 shale
1168 sandy shale
1188 sandstone
1193 shale
1397 sandy ledgy shale
1470 sandstone, lower sand (Fayette)

TOTAL DEPTH

SUMMARY

Coal Measures	18-1397
Top Fayette Sand	1071
Millstone Grit	1397-1470

Providence Oil & Gas Company, (11) — J. R. Strong No. 3 (No. 157 on map)

Located: SW/4 of SE/4 Sec. 9, Twp. 16 S., Rge. 12 W.

Began: 5-16-1910

Completed: 10-18-1910

Elevation: 315'

Casing Record: ??

0- 28 clay
153 shale
177 sandstone
232 sandy shale
255 dark gray shale
330 shale
435 sandstone
495 sandy shale
573 shale
603 sandy shale
693 dark shale
735 sandstone
824 sandy shale
879 sandstone
909 shale
934 chocolate sandstone
942 sandstone
985 shale
1000 sandstone
1001 coal

Providence Oil & Gas Company, (11) — J. R. Strong No. 3 (No. 157 on map)

(Continued)

- 1046 sandstone, gray, and growing lighter
- 1107 white sandstone
- 1197 shale
- 1205 gray sandstone
- 1240 shale
- 1242 coal
- 1255 dark sand
- 1270 white sand
- No record June 30 to September 15.
- 1380 cleaned out at this depth
- 1395 black sandstone
- 1472 sandy shale
- 1483 gas sand, good showing
- 1486 sand shale
- 1495 gray sandstone
- 1507 sandy shale
- 1534 shale
- 1541 hard dark gray sandstone
- 1545 black shale
- 1545 black shale
- 1549 salt water, sandstone and very hard
- 1551 brown shale

TOTAL DEPTH

Drilled wet. Plugged at top. Small amount of gas and heavy black oil escaping through plug.

WALKER COUNTY

Pennsylvania Oil and Gas Co. — ?? No. 2 at Oakman (No. 161 on map)

Located: SE/4, SW/4 Sec. 28, Twp. 15 S., Rge. 8 W.

Began: ??

Completed: 2-12-1912

Elevation: 320'

Casing Record: 10" @ 330'

8" @ 1060'

6" @ 1929'

- 0- 13 clay
23 slate, black, soft, water at 23'
53 shale and sand, white, hard water at 50'
90 lime, shells and slate, black, hard
92 coal, soft
110 slate, white, soft
170 sand, blue, hard
230 sand, white, hard
270 sand, dark, hard
330 slate, black, soft
374 slate and shells, black
377 coal, soft
560 slate, black, soft
575 sand and lime, black, hard
655 sand, white, hard (light gas show)
720 slate and shells, black, soft
735 lime, sandy, dark, hard
790 sand, dark, hard
850 slate, black, soft
885 slate and hard shells, black
925 sand, white, hard
930 slate, dark, soft
950 sand, gray, very hard (Rainbow of oil on rope at 954', light show)
1000 sand, white, hard
1030 lime, black, very hard
1060 slate, white, soft
1080 lime, gritty, black, hard
1100 slate, black, soft
1120 slate, white, soft
1185 slate, black, soft
1200 sand, white, soft
1245 sand, dark hard
1280 slate, black, soft
1295 slate and shales, black, hard
1415 sand, yellow, very hard
1450 slate, dark, soft
1510 lime, white, hard
1570 slate and shells, black

Pennsylvania Oil and Gas Co. — ?? No. 2 at Oakman (No. 161 on map)
(Continued)

1600	sand, white, hard (light show of oil at 1572')
1750	slate and shells, yellow, very hard
1795	sand, white, hard
1800	sand, black, soft
1845	sand, white, hard
1855	sand, yellow, hard
1879	sand, black, hard
1900	lime and sand, black, soft
1910	lime, black, hard
1940	sand, dark, hard
1985	slate and sand, dark
2005	slate, dark, soft (caving at 1985)
2049	slate, dark, soft
2104	slate, dark, soft
2135	slate, lime, shells, dark
2225	lime, white, hard
2295	sand, hard
2385	lime, black, hard (odor of oil at 2385')
2405	slate and shells, white, hard
2425	slate, black, soft
2450	sand, blue, hard (strong odor of oil and gas at 2430')
2455	slate, black, soft
2480	sand, blue, hard
2485	lime, black, hard
2525	sand, black, hard
2650	slate, black, soft
2660	lime, dark reddish tint
2690	lime, white, hard
2705	sand, black, hard
2775	lime, white, hard

TOTAL DEPTH

SUMMARY

Coal Measures	0-1870
Upper Bangor	1870-2225
Hartselle	2225-2450
Lower Bangor	2450-2650
Tuscumbia	2650-2775

Mrs. Haughton et al, — ? No. 2—at Cordova (No. 164 on map)

Located: W/2 NE/4, Sec. 7, T. 15 S., R. 6 W.

Commenced: ?

Completed: 11-?-1901

Elevation: ?

Casing Rec.: ? @ 233'

0- 5 clay
55 shale
75 sand
180 shale
216 sand
240 shale
258 sand
310 shale
313 coal
575 shale
624 water sand
650 shale
732 sand
825 shale
860 sand, oil show
860 sand, oil show
862 shale
940 sand
1070 sand
1110 shale
1140 sand, oil show
1160 shale and sand, broken
1170 shale
1200 water sand

TOTAL DEPTH

Mrs. Haughton, et al — No. 1, at Cordova (No. 165 on map)

Located: N of Center of NW/4, Sec. 8, T. 15 S., R. 6 W.

Began: ?

Completed: 1901

Elevation: ?

Csg. Record: ? @ 310'

0- 15 clay
30 sand
160 shale
175 sand

Mrs. Haughton, et al — No. 1, at Cordova (No. 165 on map)
(Continued)

260 shale
264 coal
280 shale
300 sand
310 shale, set casing
330 sand
470 shale
485 sand
560 shale
572 sand
670 shale
690 sand
770 shale
774 sand
789 shale
890 sand, oil and gas show
905 shale
907 coal
1032 sand
1080 shale
1105 sand, oil show
1115 shale
1380 sand
1384 shale
1441 sand

TOTAL DEPTH

Haskill et al, — No. 1, at Barney (No. 166 on map)

Located: Near center of Sec. 22, Twp. 15 S., Rge. 6 W.

Began: 4-?-1916

Completed: 12-?-1916

Elevation: ? ?

Casing Record: 18" @ 20'
8" @ 489'

0- 2 soil, soft
20 breaking sandstone, soft
122 gray lime, hard
150 gray slate, hard
153 coal, soft
188 blue slate, hard

Haskill et al, — No. 1, at Barney (No. 166 on map)

(Continued)

228	black lime, hard	228
258	blue slate, hard	258
270	brown shale	270
325	sandstone, hard, showing of gas	325
355	blue, slate, soft	355
357	coal, soft	357
400	sandstone, hard	400
432	blue lime, hard	432
482	sandstone, hard	482
489	white slate, soft (set 8" casing)	489
574	sandstone, hard, showing of gas	574
614	gray lime, hard	614
632	gray slate, hard	632
677	sandstone, hard	677
685	brown shale, soft	685
730	blue, lime hard	730
790	sandstone, hard, top of oil sand	790
800	oil sand, hard show of oil and gas filled up 200'	800
815	sand, hard	815
818	dark sandy shale, soft	818
822	sand, hard	822
836	pay sand, hard show of oil	836
894	black sandy shale	894
924	white sand, hard	924
929	light brown sand, show of oil	929
947	white sand, hard	947
970	blue shale	970
1045	white sand, hard	1045
1060	blue shale, medium soft	1060
1088	white sand, hard	1088
1130	black shale, soft	1130
1140	black sandy shale	1140
1163	fine dark sand	1163
1168	brown shale, soft	1168
1195	blue shale	1195
1275	fine gray sand	1275
1305	gray sand, coarse	1305
	White sandstone (base of Coal Measures?)	
2600	TOTAL DEPTH, about	2600

WALKER COUNTY, ALABAMA

Pratt Consolidated Coal Company, ? No. 1 (No. 167 on map)

Located: NE/4 NW/4 Sec. 19, Twp. 16 S., Rge. 5 W.

Began: 5-28-1916

Completed: 10-27-1917

Elevation: 412'

Casing Record: ? ? ?

- 0- 8 surface
- 9 (coal, Jagger(?) seam)
- 17 fireclay and soft slate
- 38 sandstone, gray
- 70 slate, dark
- 76 hard shell lime
- 116 slate
- 135 sandy slate, hard
- 170 slate and sandy shell
- 190 sandstone, gray and hard
- 203 slate, dark and colored
- 204 (coal, Black Creek seam)
- 240 sandstone with oily smell
- 360 slate with hard streaks, light colored
- 515 very hard sandstone with hard streaky slate
- 583 sandstone, dark gray, very hard, show of gas at 548'
- 623 slate and limey shells
- 640 sandy shell, very hard
- 705 slate, soft, some lime
- 709 sandy shell, smell of oil
- 737 lime, slate, hard
- 775 sandstone, very hard, gray
- 785 sandy slate, soft
- 939 hard gray limestone, show of gas at 794'
- 1025 slate
- 1236 hard sandstone
- 1310 white open sandstone (gas with show of oil at top 4")
- 1320 slate
- 1400 no record
- 1550 hard sandstone at base of coal
- 1584 shale
- 1960 limestone
- 2005 no record
- 2125 Hartselle sandstone, fine grained brown
- 2262 no record
- 2571 dark colored limestone with black shale parting, mostly fine grained
- 2581 limestone and chert, chert seams 8" thick
- 2707 limestone, coarse-crystalline, white to pink colored with green shale and ferruginous partings.
- 2713 hard brown sandy shale, green in places

Pratt Consolidated Coal Company, ? No. 1 (No. 167 on map)
(Continued)

- 2719 pinkish, coarse, crystalline limestone
- 2737 greenish shale, limestone seams
- 2767 brown, hard, limey shale and shaly limestone
- 2775 fine-grained, brown, shaly limestone
- 2790 green shale
- 2798 fine-grained brown, shaly sandstone
- 2798'6; ferruginous sandstone, lean ore
- 2829 fine-grained brown, shaly sandstone, green shale partings
- 2833 green shale, 2' lean ore at top
- 2833" 9" lean ore
- 2835 green shale
- 2836 gray sandstone, fine-grained
- 2834 lean ore
- 2854 sandstone, fine-grained lime streaks
- 2870 sandstone, fine-grained shale partings
- 2876 green shale (2876' 3")
- 2876' 6" lean ore, mottled with white lime fossils
- 2878' 6" gray sandy shale
- 2879 lean sandy ore
- 2880' 3" shale
- 2880' 6" lean ore
- 2897 sandstone, fine grained
- 2922 mottled brown shale interbedded with coarse crystalline limestone
in about equal parts
- 2924 iron ore (2924' 8")
- 2945 coarse pink crystalline limestone with ore interbedded shaly in
places, ore about 50% rock
- 2995 fine-grained shaly sandstone, green shale interbedded (2995' 4")
- 3002 ore, good fine-grained (one piece analyzed ran 43.20% in iron
3002'6")
- 3002' 7" green shale
- 3002' 8" ore
- 3003 shale
- 3004' 8" white limestone, shale partings
- 3005' 8" black shale
- 3135 shaly limestone, black limestone, black shale interbedded, shale
decreasing in depth

TOTAL DEPTH

SUMMARY

Coal Measures	0-1550
Bangor	1550-2005
Hartselle	2005-2125
Tuscumbia & Fort Payne	2125-2581
Red Mountain	2581-3003
Trenton	3003-T.D.

Tennessee Coal Iron & Railroad Company — ??? No. 1 (No. 168 on map)

Located: Center Sec. 27, Twp. 15 S., Rge. 5 W.

Began: 1-10-1911

Completed: 6-20-1911

Elevation: 465'

Casing Record: ??

0-	6	surface soil
	70	sandstone
	220	shale with interbedded sandstones
	465	sandstone
	500	shale, dark
	855	sandstone, within thin shaly layers (Gas show at 595)
	870	shale, dark, carbonaceous
	960	sandstone, coarse-grained, conglomeratic, with some shaly streaks (Millstone grit)
1500		limestone, dense, massive, bluish color, occasional shaly layers
1630		sandstone, brown, coarse grained (Gas show at top of sand)
1700		shale, dark, calcareous
1955		limestone, dark, cherty
1970		chert, very hard, pinkish
1975		shale, black
1995		limestone
2025		limestone sandy
2055		limestone, ferruginous
2065		sandstone, brown
2075		limestone
2345		sandstone, brown, grading into ferruginous sandstone of the Clinton
2365		shale, reddish
2400		sandstone, brown
3130		limestone, massive, gray to dark blue in color, with occasional shaly and sandy horizons. Small show of oil in fine-grained limestone, good for one-half barrel a week, at about 3100'

TOTAL DEPTH 3133'6"

SUMMARY

Coal Measures	0- 960
Bangor	960-1500
Hartselle	1500-1630
Tuscumbia and Fort Payne	1630-1970
Devonian	1970-1975
Niagara	1975-2055
Red Mountain	2055-2400
Trenton	2400-TD.

Pennsylvania Oil and Gas Company — No. 1, at Calumet (No. 169 on map)

Located: SW/4 NE/4, Sec. 28, Twp. 14 S., Rge. 7 W.

Began: ? ?

Completed: 1912

Elevation: 350'

Casing Record: ? ?

8" @ 1452'

0-	12	conductor
	112	slate and shale
	115	coal
	125	slate and shale
	220	sand
	495	slate and shale
	535	sand
	560	lime, sandy
	675	slate and shale
	690	lime
	785	sand
	800	slate
	880	lime, sandy
	900	sand, red
	940	lime, sandy
	955	slate
	1030	lime, sandy
	1065	slate and shale
	1080	lime, sandy
	1100	sand
	1195	lime, sandy
	1225	sand
	1315	lime, sandy
	1345	sand
	1385	lime, sandy
	1405	slate
	1455	lime, white
	1460	slate
	1815	lime, white
	1873	lime, black
	1878	sand and shale
	1894	slate
	2000	sand (Jasper) Good show of oil
	2050	slate and shale
	2095	shale, brown
	2260	lime, white
	2278	lime, dark
	2284	sand, dark, with show of oil
	2340	lime, dark

Pennsylvania Oil and Gas Company — No. 1, at Calumet (No. 169 on map)
(Continued)

2350	sand, brown
2395	limestone, sandy, dark
2400	slate
2425	lime, black
2525	slate and shale
2545	lime, pink
2595	lime, dark
2675	slate, dark
2780	lime, red
2875	lime, dark
3000	slate
3690	lime, white
3730	lime, blue
3890	lime, white (gas at 3854)
4005	lime, sandy

TOTAL DEPTH

SUMMARY

Coal Measures	0-1385
Upper Bangor	1385-1894
Hartselle	1894-2094
Tuscumbia & Lauderdale	2094-2595
Chattanooga	2595-2675
Silurian	2675-2875
Trenton	2875-4005

Pennsylvania Oil & Gas Co. — Long Estate No. 5 (No. 170 on map)

Located: NE/Cor. SW/4 NE/4, Sec. 21, T. 14 S., Rge. 7 W.

Began: ?

Completed: 1912

Elevation: ?

Casing Record: ?

0-	14	clay
	45	slate
	47	coal
	550	sand
	700	slate and shale
	900	sand
	950	black limestone
	1000	slate and shale

Pennsylvania Oil & Gas Co. — Long Estate No. 5 (No. 170 on map)

(Continued)

- 1030 slate and shale
- 1331 slate, shale
- 1390 white limestone
- 1420 yellow limestone
- 4178 white limestone
- 1502 red rock
- 1560 slate and shale—core @ 1514', blue stone
- 1565 white limestone
- 1738 yellow and white limestone
- 1748 slate
- 1765 very hard limestone
- 1846 slate and limestone, shale
- 1941 Jasper sand
- 1951 Jasper sandy limestone
- 1952 TOTAL DEPTH

Pennsylvania Oil & Gas Co. — Long Estate No. 1 (No. 173 on map)

Located: SE/4 of NW/4, Sec. 22, T. 14 S., R. 7 W.

Began: ?

Completed: 5-9-1911

Elevation: ?

Casing Record: 10" @ 502 ft.

6 $\frac{5}{8}$ " @ 1309 ft.8 $\frac{1}{4}$ " @ 1150 ft.

- 0- 13 conductor
- 50 shale, black
- 150 sand, white, artesian water at 65'
- 375 shale, dark
- 494 sand, water, gas show (show of black oil at 390') Water, gas and show green oil at 447-452.
- 652 lime and shale with sand and shells
- 728 sand
- 734 slate
- 860 sand
- 900 slate, black
- 930 sand, white
- 987 shale, grey
- 1278 shale, red
- 1300 lime
- 1306 slate, white
- 1321 lime, white, very hard

Pennsylvania Oil & Gas Co. — Long Estate No. 1 (No. 173 on map)
(Continued)

1330	lime, black
1771	lime, white, hard
1791	slate, black
1891	sand, top very hard with nice showing gas
2090	lime, white, hard
2100	lime, white
2268	lime, black
2335	lime, shells
2343	slate
2400	lime
2580	lime
2600	lime, shells and slate
2690	lime, red at top
2710	slate, red
2720	lime, red
2726	lime, black, shells
2740	slate, red
2850	lime, black
2872	break of red slate
3004	lime, black

TOTAL DEPTH

SUMMARY

Coal Measures	0-1272
Upper Bangor	1272-1791
Hartselle	1791-1891
Lower Bangor	1891-2100
Tuscumbia and Lauderdale	2100-2580
Chattanooga	2580-2600
Clinton: Silurian	2600-2720
Trenton	2720-3004

Pennsylvania Oil & Gas Co. — Long Estate No. 4 (No. 174 on map)

Located: SE/4 NW/4, Sec. 22, T. 14 S., R. 7 W, Near SW/Cor.

Began: ?

Completed: 1911

Elevation: ?

Casing Rec.: 8" @ 1365'

0- 13

50 black clay, shale

150 white sandstone

Pennsylvania Oil & Gas Co. — Long Estate No. 4 (No. 174 on map)
(Continued)

- 375 black clay, shale
- 494 white sharp grained sandstone. (385-390 water and black oil and gas. 447-452 gas, green oil)
- 530 fine grained shaly sandstone
- 540 very fine grained clear white sandstone
- 652 gray clay, shale, with streaks of sandstone throughout
- 678 white sharp grained quartz sandstone, similar to 375-494
- 722 fine grained, shaly sandstone with shale partings
- 728 white sandstone
- 734 sandy shale
- 860 rather coarse, white quartz sandstone, similar to 375-424
12 bailers per hr. @ 809-815. Pine Mountain sandstone
- 860-1875 No Record

TOTAL DEPTH

Pennsylvania Oil & Gas Co. — Long Estate No. 3 (No. 175 on map)

Located: NE/4 of SW/4, Sec. 21, T. 14 S., R. 7 W.

Began: ?

Completed: 1912

Elevation: ?

Casing Record: ?

- 0- 14 clay, yellow, soft
- 65 slate, black, soft
- 80 sand, black, hard
- 110 sand and shells
- 160 sand, white
- 180 sand, black
- 385 slate and shells
- 398 lime, white
- 405 sand, white
- 440 lime, white
- 600 lime and slate
- 858 sand, white
- 865 slate, white
- 940 lime, sandy, white
- 945 coal
- 1005 lime, black
- 1270 sand (Big Injun)
- 1285 slate and shells
- 1300 rock, red
- 1320 lime, white

Pennsylvania Oil & Gas Co. — Long Estate No. 3 (No. 175 on map)
(Continued)

1330 slate, black
1340 lime, black
1660 limestone
1740 slate and shells
1800 slate
1812 Jasper (gas show) sandstone

TOTAL DEPTH

SUMMARY

Coal Measures	0-1285
Upper Bangor	1285-1740
Hartselle	1740-1812

JEFFERSON COUNTY

Dixie Gas Company — Wham No. 1 (No. 176 on map)

Located: Sec. 33, Twp. 18 S., Rge. 2 W.

Began: 3-17-1919

Completed: 1-2-1920

Elevation: ?

Casing Record: 10" @ 260'

8" @ 265'

6" @ 1369'

- 0- 8 conductor
 40 coarse sandstone
 50 soft slate
 170 sandstone, hard
 195 soft shale and clay
 205 shale, limey
 238 soft shale and clay
 248 coal and clay
 258 shale
 310 sandstone, gas, slight show
 324 black shale
 350 shale
 408 sandstone, medium-grained
 620 shale, little water @ 610'
 684 sandstone, medium-coarse. Slight show of oil, 650-653'
 790 shale
 810 sandstone medium-grained
 947 dark shale
 972 sandstone, medium grained, water @ 990' about 3 bailers an hour
 1022 shale
 1160 sandstone
 1160-1320 record missing
 1320 water in sandstone
 1694 black shale, show of gas @ 2182, with water.
 2215 black shale
 2219 limestone
 2225 black slate
 2227 limestone
 2240 black slate and limestone seams
 2351 limestone, shaly streaks, very dark colored fossiliferous, mostly coarse grain. Lower 25' fine grain shaly black. Oil odor.
 2406 limestone fine grain, shaly dark colored. (Petroleum odor.)
 2409 black shale
 2415 sandstone, fine-grain, very limey, shells, fossils.
 2420 sandstone, very fine, limey, petroleum smell
 2438 sandstone, fine grain, occasional thin, shale bands
 2351 to 2351'4" show gas.
 2500 TOTAL DEPTH

SUMMARY

Top Hartselle 2415-2420'

Frank B. Clark Co. (2) ??? (No. 177 on map)

Located: SE/cor SW/4 of NE/4, Sec. 32, Twp. 19 S., Rge. 3 W.

Began: 5-22-1919

Completed: ??

Elevation: ??

Casing Record: ??

0-	2'	surface
	4'	sandstone
	7'	sand shale
130'		broken sandstone
130'-8"		coal
137'		fire clay
157		sandstone
167		sand shale
171		sandstone
183		shale, coal and rash?
227		sandstone
229		sand shale
238		sandstone
243		coal rash
244-4"		black shale
260		sand shale, green shale
272		sandstone
280		black shale
296-4"		black sand
311		black shale
315		shaly clay
383		sand shale
420		sandstone
425		shale
427		sandstone
432		shale
442		sandstone shale streaks?
618		sand shale little streaks
636		hard sandstone with shale streaks
647		hard broken sandstone
690		hard sandstone
1008		dark streaky shale
1018		black broken shale
1024		sand shale
1044		broken black shale?
1132		sandstone with lime partings
1300		broken sandstone with limestone bands
1328		dark sandy shale
1338		variegated shale
1350		green shale

Frank B. Clark Co. (2) ??? (No. 177 on map)
(Continued)

1353	variegated shale
1371	dark shale
1401	lime shale with fossils
1686	black shale—sandstone
1698	lime shale with fossils
1832	black shale
1842	broken sandstone hard
1844	hard black
1846	clay shale
1871	lime shale
1913	lime shale
1974	sand shale
1988	broken shale and seams
2128	black shale
2130	lime shale
2145	black shale
2162	lime shale
2168	dark limestone
2194	lime shale greenish
2524	black shale with chert bands
2530	limestone soft
2565	broken black shale
2570	crystalline lime
2600	black shale

TOTAL DEPTH

Frank B. Clark Co. (No. 1) — (No. 178 on map)

Located: In SW/4 of Sec. 29, Twp. 19 S., Rge. 3 W.

Began: 1-25-1918

Completed: 4-15-1919

Elevation: ?

Casing Record: ??

0-	11	surface
	34	rotten shale
	39.6	sandstone
	91.6	sand shale
	143	black shale
	144	sandstone
	146.1	shale broken
	148.2	sand stone

Frank B. Clark Co. (No. 1) — (No. 178 on map)

(Continued)

153.2	sand shale
159.2	sandstone with shale mixed
177.2	shale with sandstone parting
223.2	sand shale streaky
239	sandstone with shale bands
285	sand shale
308	sandstone
351	streaky sand shale
359	sandstone
367	sandstone
373	sandstone, shale bands
393	sandstone
398	sandstone, shale bands
406	sandstone
410	sandshale
412	sandstone
415	sandstone shale bands
423	sandstone
438	sticky or streaky shale
440	soft clay shale
451	green sand shale
470	sandstone
475	green shale
481	dark shale
501	dark shale
504	sand shale
505	sandstone
522	sand shale
542	hard sand stone
546	sand shale partings
558	hard sand stone
585	sticky or streaky sandstone
586	sandstone
592	sand shale
918	black shale
932	sandstone
940	limestone
1070	lime, shale
1214	dark shale
1220	lime shale
1280	dark lime shale
1288	lime shale
1298	limestone
1396	black shale broken

Frank B. Clark Co. (No. 1) — (No. 178 on map)

(Continued)

1398	sand shale
1543	black shale
1550	limestone
1568	black shale
1571	lime shale
1588	black shale
1595	lime shale
1598	black shale
1606	lime shale
1643	black broken shale
1644	limestone
1658	broken black shale, mud stains
1672	lime shale
1681	shale in streaks
1685	crystalized sand
1692	lime shale
1696	lime shale
1698	white sand
1701	sand shale
1706	white sand
1707-6	shale
1708-9	white sand
1713	broken black shale
1724	lime shale gray
1738	lime shale
1765	black shale
1844	lime stone
1945	chert
1945-7	green shale
1947-7	limestone
1971	green sandstone
1974	green sandstone
1974.11	ore
1973	shale
1975.6	ore
1975.6	3/4 shale
1979.8	ore
1982	green sandstone ore
1983.10	sandstone with ore streaks
1985	shale
1994.8	sandstone streaks
1995.8	ore stratified with shale
1999	green shale
2000	stratified ore

Frank B. Clark Co. (No. 1) — (No. 178 on map)
(Continued)

2001.5	stratified ore
2002	shale
2002.2	ore shale streak
2004.8	fossiliferous ore
2006.4	shale, stratified ore
2006.8	shale
2008.7	stratified ore
2008.9	green shale
2019.1½	ore
2035	sand shale

TOTAL DEPTH

Pratt Consolidated Coal Company — ?? (No. 179 on map)

Located: Near NE/Cor. of Sec. 36, T 16 S, R 6 W

Began: ? Completed: 3-1-1920

Elevation: 350' Csg. Record: ??

0- 120	shale and arenaceous shales
150	sandstone, tight, fine grained
210	shales and sandy shales
245	sandstone, medium to coarse grained, with few shaly layers coal seam of undetermined thickness, probably black creek seam
605	shaly sandstone and alternating shales and sandstones
625	sandstone, fine grained, micaceous
1150	shales and sandstones alternating
1685	sandstone, massive with occasional thin shaly layers; a few small pebbles near bottom
1715	conglomerate, massive throughout without a break
1815	shales, with occasional thin conglomerates
1835	sandy shale or lime
1899	shales, thin bedded, fine grained
2195	limestone, dense, bluish, locally
2215	shale, calcareous, with thin limestone, and sandstone horizons
2313	sandstone, fine grained with occasional shaly horizons (oil saturation at irregular intervals)
2474	shales growing calcareous toward base
2485	marly limestone
2580	limestone, massive, slightly shaly toward top (oil saturation at frequent intervals)

2745 chert and cherty limestone
 2832 shales, dark, calcareous
 2846 limestone, massive
 2871 limestone, massive, highly ferruginous
 2891 shale, ferruginous
 3000 shale, vari-colored, calcareous layers
 3005 shales, ferruginous
 3150 sandstone, shaly, slightly ferruginous in places
 3350 bottom of hole

TOTAL DEPTH

REMARKS: Oil saturation in places from 1680-1715' Gas sand 2498-2505' very porous, composed of shell fragments.

SUMMARY

Coal Measures	0-1899'
Bangor	1899-2215
Hartselle	2215-2313
Tuscumbia	2313-2580
Lauderdale	2580-2745
Devonian (?)	2745-2832
Niagara	2832-2871
Red Mountain	2871- TD

Tennessee Coal Iron & Railroad Company, — ?? No. 2 (No. 180 on map)

Located: Center of Sec. 1, Twp. 15 S., Rge. 5 W.

Began: 2-12-1911

Completed: 5-5-1911

Elevation: 384'

Casing Record: ??

0- 4 surface soil
 19 sandstone, brown, weathered
 77 sandstone, gray with occasional shales
 87 shale, sandy
 165 sandstone, very fine-grained, hard, light, gray colored
 260 shale, black colored
 288 sand, gray colored, fresh water came up within 100' of surface
 296 shale, sandy
 688 sandstone, light gray, about 600' another water horizon struck
 755 limestone and shales, grayish
 1157 limestone, greyish colored with some black shale
 1195 sandstone, dark colored medium-grained, containing water
 1221 shale, dark gray

Tennessee Coal Iron & Railroad Company, — ?? No. 2 (No. 180 on map)
(Continued)

- 1230 sandstone, medium to fine-grained, brownish colored, slightly calcareous
- 1409 lime, dark, shaly, containing varying amounts of silicious matter
- 1413 limestone, dark gray, shaly, show of gas, flow of salt water
- 1480 limestone, greyish colored, in which there was some silicious matter

TOTAL DEPTH

SUMMARY

Coal Measures	0-668
Bangor	688-1177
Hartselle	1177-1230
Tuscumbia and Fort Payne	1230-TD

Woodward Iron Company — No. 4 (No. 181 on map)

Located: SW/4 NW/4 Sec. 18, Twp. 17S, Rge. 4W.

Began: 1919

Completed: June, 1922

Elevation: 401.33'

Casing Record ??

- 0- 5'-6" surface rock
- 134 slate
- 153 sandstone with slate streaks
- 154'-2" slate
- 154-5 coal
- 154-9 carbonaceous shale
- 157-11 coal (Pratt seam)
- 158-2 carbonaceous shale
- 158-3 coal
- 158-5 slate
- 160-2 coal
- 170-2 slate
- 174-8 soft slate
- 175-6 coal
- 177 fire clay
- 184 sandy slate
- 209 sandstone
- 215 shale & slate
- 221 sandstone
- 277-11 soft slate

Woodward Iron Company — No. 4 (No. 181 on map)

(Continued)

228	coal
230	soft slate
243	sandy slate
243-5	soft slate
245	coal
251	sandy slate
251-8	soft slate
260	slate & sandstone
278	streaked sandstone
302-6	sandy slate
302-11	slate
303-1	carbonaceous shale
304-3	coal
304-5	bone coal
304-11	slate
305	coal
305-1	slate
305-5	coal
305-8	bone shale
308-10	slate
308-11	coal
309	slate
317	sandstone
325-6	sandy slate
325-9	shale
320-1	coal
326-9	shale
330	slate
345-6	sandy slate
348	sandstone
355	slate with sandstone streaks
366	soft slate
383	sandstone with streaks of slate
396	sandstone
597	sandy slate
631-11	slate
633	soft slate
633-3	slate
633-2	coal
634-2	coal
634-4	slate
634-11	bone coal
635	slate
640-3	shale
641	bone shale

Woodward Iron Company — No. 4 (No. 181 on map)

(Continued)

645	slate
645-9	coal
645-10	slate
646	coal
648-1	slate
648-4	bony coal
649	coal
650-3	slate
650-5	bony clay
652-3	coal
652-7½	slate
652-8½	bony coal
653-7	coal
654-10	shale, fire clay
658-10	soft sandstone
676-10	sandstone with shale partings
691-10	sandstone
692-10	carbonaceous shale
695-10	sandy shale
731-10	slate
786-10	slate with hard bands
794-6	slate with brown bands
794-10	coal
795	shale
811	broken shale
812-3	coal
820-9	shale
821-1	coal
821-4	shale
821-9	coal
822-9	soft shale
827-9	sandstone
829	slate with sandstone bands
831	sandstone
834	sandy slate
843	sandstone
878-10	sandstone with slate
879-2	shale & coal
883	sandstone & slate
885	sandy slate
887	shale & coal streaks
900-10	sandy slate
901-2	coal
905-8	soft dark shale

Woodward Iron Company—No. 4 (No. 181 on map)—Continued

913	sandstone
915-2	dark shale
915-7	coal
921-7	slate
922-7	dark shale
930	sandy slate
942	coarse sandy slate
958	sandy slate
960-6	shale
961-8	coal
961-9	bone coal
962-4	coal
963-10	slate with coal streaks
964-10	slate
965-1	coal
965-4	slate
965-6	bony coal
966-3	slate
966-7	bony coal
966-10	slate
967-1½	coal
967-4	bony coal
967-9	coal
968-4	slate
969	coal
969-2	slate and coal
972-9	shale with coal streaks
992-10	sandy slate
1004-11	slate
1005-6	coal
1015-1	shale fire clay
1050-10	sandstone with coal streaks
1057	sandstone
1266	slate
1354	slate and sandstone
1373	sandstone
1392	slate and sandstone
1412	sandstone
1422	slate and sandstone
1583	slate
1590	sandstone
1618	slate
1625	sandstone
1633	slate

Woodward Iron Company—No. 4 (No. 181 on map)—Continued

1639	sandstone
1665	slate
1677	sandstone
1728	slate
1759	sandstone
1914	slate
2058	sandstone
2062	slate
2077	sandstone
2119	slate
2210	sandstone
2234	slate
2425	sandstone
2507	slate and sandstone
2512	sandstone
2608	slate and sandstone
2660	slate
2671	slate and sandstone
2806	limestone
2864	slate and limestone
2869	slate
2893	slate and limestone
2899	slate
2944	slate and limestone
3153	sandstone
3217	slate
3454	sandstone
3473	slate and sandstone
3528	sandstone
3537	slate
3600	slate and limestone
3658	slate and sandstone
3667	slate
3734	slate and sandstone
3740	slate
3767	slate and sandstone
3795	sandstone
3807	limestone
3950	sandstone
3958	sandstone and slate
3968	limestone
4026	sandstone
4057	sandstone and slate
4100	sandstone

TOTAL DEPTH

Company: ?? — Farm: ?? (Not on map)

Located: At Camp Branch, 10 miles west of Birmingham

Elevation: ??

Casing Record: ??

0- 4 surface
7 yellow sandstone
13-4" clay or soapstone
18-4 arenaceous clay
19-2 coal
19-8 clay
20 coal
24 light clay
26-6 gray sandstone hard, micaceous
79-10 coarse gray sandstone fossils
80-10 clay
86-10 arenaceous clay
94-10 clay
100-10 arenaceous clay
102-10 hard gray sandstone
105-8 clay
111-1 arenaceous
115-8 blue, sandstone hard, micaceous
121-9 variegated sandstone
125-9 arenaceous clay
128-9 clay, strings of coal
130-9 soft blue clay
144-10 gray sandstone, micaceous
204-3 arenaceous clay
207-8 gray sandstone hard micaceous
214-8 clay and soapstone
230-8 gray sandstone, hard micaceous
331-3 slate, pyrite
340-3 rippled sandstone, micaceous
347-3 gray conglomerate
353-10 gray sandstone, micaceous
357-10 dark gray sandstone, micaceous
363-10 coal hard, bright
369-10 fire clay
375-2 dark gray sandstone, fossils
408-2 fine sandstone micaceous
412-2 arenaceous clay plants
417-2 clay, mud
428-2 blue clay, fossils
450-2 light clay fossiliferous
460-2 gray sandstone, hard
462-2 coarse hard sandstone

Company: ?? — Farm: ?? (Not on map)

(Continued)

- 464-2 coal (struck gas, caught fire)
- 488-2 dark gray rippled sandstone
- 508-2 micaceous sandstone
- 512-2 arenaceous clay
- 515-2 clay good roof
- 519-2 coal glossy black
- 521-2 fire clay
- 525-2 clay fossils and plants
- 534-2 coarse gray sandstone micaceous, bitumen
- 537-2 dark slate, coal plants
- 538-2 sandstone soft white fossils
- 541-2 coarse gray sandstone micaceous
- 543-2 soft conglomerate
- 547-2 soft gray sandstone bitumen, coal seams through it.

TOTAL DEPTH

TUSCALOOSA COUNTY,

A. B. Aldridge, — Tuskegee Properties No. 1 (No. 184 on map)

Located: SE SE of Sec. 11, Twp. 17 S., Rge. 8 W.

Began: ? ?

Completed: ? ?

Elevation: 329.6'

Casing Record: ? ?

0-	7	surface
	14	sandstone
	14'2"	coal
	17	fire clay
	23	sandy slate
	37	sandstone fine-grained
	50	sandy slate
	53	sandstone
	68	sandy slate
	93	sandstone
	140	slate, sand (Hartselle)
	155	sandstone finegrained
	161	sandy slate
	162	sandstone
	164	soft clay, slate
	197	sandstone, coarse grain
	240	blue slate
	241'6"	sandstone, fossils
	254	dark clay slate
	267	sandstone
	367	sandy shale
	397	shale w/sand banks
	420	blue slate
	445'10"	soft clay slate
	447'4"	coal
	447'4½"	bone
	447'6½"	slate
	448'2"	coal
	449'2½"	slate
	449'10½"	coal
	449'11½"	bone
	450'2½"	fire clay
	450'3"	slate
	450'9"	soft fire clay
	452'3"	hard sandy fire clay
	456	sandy slate
	462	soft clay slate
	462'6"	bony coal
	467	soft fire clay
	487	sandstone

A. B. Aldridge, — Tuskegee Properties No. 1 (No. 184 on map)
(Continued)

491'10"	blue slate
493	coal
493'1"	slate
493'3½"	coal
493'4½"	bone
493'7½"	coal
493'8"	slate bone
493'10"	slate
495'9½"	coal
497'2½"	slate
497'4½"	coal
498'9"	very soft fire clay
501'3"	fire clay
521	sandy slate
546	sandstone
646	sandy shale
666	blue slate
766	sandstone, slate
816	sandy shale
820'7"	blue slate
821	coal
823	fire clay
849	clay slate
870	slate, sandstone
895	blue slate
899	sandstone
902	sandy shale
907	sandstone finegrained
913	sandy shale
943	sandstone fine-grained
983	sandstone w/slate parting
1012	sandstone, fine-grained

TOTAL DEPTH

SUMMARY

Pratt Seam	445-450
American Seam	492-497

Central Iron & Coal Co. — No. 1 (No. 186 on map)

Located: In SE/4, Sec. 31, T. 19 S., R. 7 W.

Began: ?

Completed: ?

Elevation: ?

Csg. Record: ?

0- 2 surface soil and clay
75 sand rock
84 blue shale
125 sand rock
129 blue shale
250 sand rock
251 coal
256 blue shale
258 coal
285 blue shale
286 coal
473 blue shale
475 sandstone
600 shale with thin strata of sandstone
641 blue shale
644 clear coal, supposed to be Pratt Seam
833 blue sand rock
848 blue and gray sand rock mixed
867 blue shale
889 blue shale with alternate bands sand rock
905 blue shale
907 black shale with small veins of coal
909 black shale
913 blue shale with small coal veins
915 blue shale
958 coarse sandrock
965 blue shale
972 coarse sand rock
1000 blue shale with small bands of sand rock

TOTAL DEPTH

Sinclair Oil and Gas Company—Friedman-Loveman No. 1 (No. 187 on map)

Located: In SW/4 NE/4 Sec. 2, Twp. 18 S., Rge. 9 W.

Began: December 1920

Completed: 5-22-1921

Elevation: 431'

Casing Record: 20" @ 39'

15½" @ 351'

8¾" @ 1970'

12½" @ 960'

- 0- 4 surface soil
- 35 sandstone
- 40 shale, sandy
- 45 sand
- 72 shale, sandy
- 77 sandstone, gray
- 95 shale, sandy
- 162 shale
- 164 coal (Cobb Seam)
- 215 sandstone, gray
- 240 shale
- 255 sand
- 260 lime (sandy shale)
- 265 sand
- 270 shale
- 285 sand
- 290 slate
- 315 sand
- 360 shale
- 410 sand
- 435 shale
- 437 coal, a little showing of gas (Corona Seam)
- 590 sand
- 640 shale
- 715 sand
- 815 lime, shells and slate (dark shale)
- 856 lime, broken (sandy shale)
- 866 lime, hard (hard shale)
- 876 slate
- 885 coal, gas enough to run (Mary Lee Seam)
- 937 lime, shells and slate (black shale)
- 945 shale
- 1045 lime (soft dark shale)
- 1130 shale
- 1140 lime (soft dark shale)
- 1145 shale
- 1170 sand

Sinclair Oil and Gas Company—Friedman-Loveman No. 1 (No. 187 on map)
(Continued)

1185	lime (soft dark shale)
1200	sand
1220	shale
1224	coal (Black Creek Seam 1241-1245)
1250	shale
1295	lime, broken (soft shale)
1300	shale
1320	lime, broken, shells (shale)
1325	shale
1345	lime
1360	shale
1390	lime, broken (black shale)
1450	shale
1460	lime, broken (black shale), show of gas
1520	shale, sandy
1535	lime, hard (shale)
1560	sand
1600	lime, hard (shale)
1805	shale
1810	sand
1815	shale, sandy
1895	shale
1980	sandstone (rainbows of oil 1895-1900')
2010	sandstone, medium grained, black shale partings
2020	sand and shale, broken
2035	sand
2037	shale and sand
2055	sand
2115	shale
2265	sandstone (grayish color)
2330	sandstone, light gray (estimated 25,000 cu. ft. gas, good rock pressure, 2330-2340)
2340	sandstone, dark gray, shale fragments
2495	sandstone, light gray
2500	sandstone, shale fragments
2510	sandstone, coal fragments
2535	shale, coal fragments (Brock Seam)
2540	sand, shale fragments
2555	sandstone, coarse-grained
2590	sandstone, coarse-grained
2600	sandstone, shaly
2622	shale, sandy
2670	shale, sandy
2680	sandstone, shaly (Coal Seam 2675-2680)

Sinclair Oil and Gas Company—Friedman-Loveman No. 1 (No. 187 on map)
(Continued)

2712	shale, sandy
2727	sandstone, shaly
2798	shale, dark gray
2822	sandstone, fine-grained
2848	sandstone, coarse-grained
2950	limestone, coarse-grained (Bangor limestone, fine grained, light color)

TOTAL DEPTH.

REMARK: Also referred to La Salle Oil Company, Friedman & Loveman No. 3

SUMMARY

Coal Measures	0-1895
Millstone Grit	1895-2535
Pennington	2535-2848
Bangor	2848-2950

GREENE COUNTY

Johnston & Hawkins Company — Willis No. 1 (No. 188 on map)

Located: SW/4 of SW/4, Sec. 11, T. 20 N., R. 1 E.

Began: 4-3-40

Completed: 6-12-40

Elevation: 130' (est.)

Casing Record: ?

0- 49 surface
168 chalk
359 chalk and shells
375 broken chalk
410 water sand
512 shale, sand and boulders
579 sand and shale
634 green sand
659 sand and shale
693 white water sand
701 sand and shale
763 sandy shale
776 sand
789 sand and shale
799 red beds
918 water sand
974 sand, shells and gravel
1027 shale, sand and gravel
1070 sand
1109 sand rock and shale
1165 coarse sand
1213 sandy shale
1266 sandy shale and gravel
1306 sand and sandy shale
1376 sandy shale
1533 sand, shale and shells
1560 red sand
1587 shale
1622 shale and shells
1627 lime
1645 sand
1675 sand
1695 red shale and sand
1752 sand
1823 sandy shale and shells
1876 sand and shale
1893 sand (cored: white and yellow)
1905 shale (red and gray)
1930 sand (fine white)
2047 sand and shale with streaks of gravel

Johnston & Hawkins Company — Willis No. 1 (No. 188 on map)
(Continued)

2064	red beds
2074	sand and red shale
2097	hard coarse sand and red and blue shale
2107	red shale
2112	lime (white)
2128	sand and shale
2132	lime
2144	shale
2224	red shale
2246	sand and gravel
2249	shale
2255	sand
2260	sandy lime (?)
2275	hard sand and red beds
2282	hard sand and shale (red)
2298	sand, shells and red beds
2308	lime
2331	shale and lime
2347	sand with streaks of lime
2353	sand and sandy lime
2381	sand and lime, red
2399	lime, flint and chert—hard
2411	hard flint and lime
2429	sandy lime, hard
2445	lime, very hard
2469	sandy lime, very hard
2482	hard lime
2556	hard lime
2569	hard sand and limestone
2581	hard lime
2612	hard lime, broken in places, but no change in formation
2616	very hard formation, possibly Fort Payne Chert

TOTAL DEPTH

SUMMARY

Top Eutaw	218'
Top Tuscaloosa	634'
Top Lower Cretaceous	1728' (?)
Top Mississippian	2350'
Top Fort Payne	2400' (?)

Willis & Payne — R. C. Lett No. 1 (No. 189 on map)

Located: SE/4 of NW/4 Sec. 6, T. 21 N., R. 2 E.

Began: ?

Completed: 1936

Elevation: 180' (est.)

Casing Record: ?

0-	10	surface soil
	40	Selma chalk
	80	sand
	81	rock
	126	sand
	161	gumbo
	201	sand
	203	shale, hard
	322	gumbo streaked with sand
	352	chalk
	355	gumbo
	357	sand
	386	gumbo
	388	rock, sandy
	403	gumbo
	405	sand rock, showing of gas
	419	sand, showing lots of gas
	429	green gumbo
	446	sand
	484	yellow formation
	590	sand
	592	red formation—Tuscaloosa
	657	sand
	659	rock
	728	sand
	740	soft lime rock
	750	sand
	753	rock
	756	sand
	758	rock
	886	Tuscaloosa red formation
	891	rock, very hard iron pyrites
	922	sand
	923	rock
	925	chalk
	928	gumbo mixed with chalk
	936	sand
	937	rock
	945	sand, showing lots of gas
	985	shale and chert, showing oil and gas

Willis & Payne — R. C. Lett No. 1 (No. 189 on map)

(Continued)

- 1000 fine shale
- 1043 shale and chert, good oil showing
- 1048 Tuscaloosa, very hard
- 1050 rock lime
- 1108 sand
- 1125 gumbo
- 1165 sand
- 1168 lime rock
- 1185 sand
- 1208 Tuscaloosa, extremely hard into gas sand that blew water and debris
high into air till well bridged.

TOTAL DEPTH

HALE COUNTY

Hale Oil and Gas Company — W. M. Wedge No. 1 (No. 191 on map)

Located: SW/Cor. of SE/4 of NW/4, Sec. 11, T. 21 N., R. 3 E.

Began: ?

Completed: 1922

Elevation: ?

Casing Record: ?

0- 38½ sandy loam
53½ blue clay and rock
336 blue sand
390 pink clay
420 gray sand
536 gray sand
600 sand and blue gumbo clay
625 blue gumbo clay
745 white sand
815 blue gumbo clay, caved
1005 red sand
1315 red sand and red gumbo clay
1390 red sand
1410 red gumbo clay
1490 red soft chalk

TOTAL DEPTH

SUMTER COUNTY

Allison Lumber Company — Water Well

Located: 3 miles south of Bellamy, Sec. (?), Twp. (?), Rge. (?)

Began: (?)

Completed: (?)

Elevation: (?)

Casing Record: (?)

- 0- 20 soil
- 200 black clay (Sucarnoochee)
- 1040 chalk (Selma)
- 1040 sand (Eutaw)

TOTAL DEPTH.

Allison Lumber Company — Water Well

Located: 11 miles S. of Livingston, Sec. 13, T. 17 N., R. 2 W.

Began: 1903

Completed: 1903

Elevation: ?

Casing Record: ?

- 0- 20 soil and clay
- 160 black clay (Sucarnoochee)
- 1000 chalk (Selma)
- 1010 quicksand and water (Eutaw)

TOTAL DEPTH

City of Livingston Water Well

Located: Sec. 33, Twp. 19 N., Rge. 2 W.

Began: 12-?-1854

Completed: 3-?-1857

Elevation: 200'

Csg. Rec.: ? ?

- 0- 1 sandy loam
- 13 coarse, dry sand, stratified
- 20 white quicksand
- 200 soft, rotten, blue limestone, thickly set with shells and containing iron pyrites
- 250 white limestone, harder than preceding, with very few if any shells or pyrites.

City of Livingston Water Well

(Continued)

- 257 hard, blue limestone, so hard that the augur cuts it with difficulty, clear of shells and pyrites
325 bluish white limestone, not so hard as the preceding, clear of shells and pyrites
380 very hard, white limestone (At 330', passed through stratum of oyster shells from which a specimen very much resembled an egg)
427 light blue limestone, not so hard as above
485 bluish brown rock, filled with small shells. In this there was more sand than in the blue varieties of rock
590 hard, white rock
592 soft, reddish brown rock
612 soft rock of deep blue color
690 brownish blue rock, moderately soft, hard gritty, bluish colored rock.
700 dark bluish colored rock, easily cut by augur
950 soft whitish limestone, with occasional slight change in hardness and color
956 hard sandstone
966 sand, in which, at 964' a small stream of water was reached which ran feebly from the top of the well
967 sand rock
1005 coarse green sand, in which a larger stream of water was reached at 1005 feet
1007 sandstone
1032 green sand
1034 sandstone
1052 coarse green sand
1053 flint rock (crystallized)
1062 very fine green sand

TOTAL DEPTH

SUMMARY

Ripley	0- 20
Selma	20-950
Eutaw	950-T.D.

MONTGOMERY COUNTY

Montgomery Oil Company — Snowdown No. 1 (No. 195 on map)

Located: Sec. 29 or 30, T. 15 N., R. 18 E.

Began: 1922

Completed: 1923

Csg. Rec.: ?

Elevation: 222'

- 0- 10 shale
- 30 gumbo
- 70 shale, brown
- 310 shale, gray
- 350 gumbo
- 352 rock sand
- 452 sand, boulders
- 492 shale, sandy
- 512 gumbo
- 577 sand, hard, boulders
- 617 sand and blue shale
- 680 sand and boulders
- 684 gumbo, yellow
- 724 sand and green shale
- 784 gravel, sand and shale
- 804 gumbo
- 844 shale and boulders
- 864 gumbo
- 874 sand
- 914 gumbo, red
- 924 hard sand and rock
- 939 shale, green and sand
- 945 rock sand
- 955 shale, green
- 959 rock
- 974 shale and sand
- 984 rock sand
- 1024 hard sand and rock
- 1030 rock sand
- 1035 rock
- 1047 gumbo
- 1075 hard sand and rock
- 1137 gumbo and boulders
- 1152 shale and lime
- 1187 shale and sand
- 1243 gumbo, blue
- 1283 sand and red gumbo
- 1293 shale, green, sand
- 1313 gumbo, streaks soft lime
- 1328 shale, blue

Montgomery Oil Company — Snowdown No. 1 (No. 195 on map)
(Continued)

1372 sand, showing water and gas
1397 gumbo and green shale
1447 gumbo and red sand
1462 sand, coarse, red, streaks shale
1607 sand
1642 gumbo and red sand
1646 rock sand
1746 gumbo, red sand, streaks shale
1817 hard sand and rock
1827 rock sand
1833 gumbo, blue
1853 shale and blue sand
1865 gumbo and gravel
1870 shale, green
1880 hard sand
1895 rock sand
2007 lime rock

TOTAL DEPTH

SUMMARY

Selma	0- 350
Eutaw	350- 724
Tuscaloosa	724-1895
Crystalline (?)	1895-TD

Parker's West Well — Water Well

Located: In City of Montgomery

Began: ?

Completed: 1899

Elevation: ?

Csg. Record: ?

89 sand and grvael
109 clay
129 clay and sand
178 fine sand and coarse
185 sand
225 clay and sand
330 sand and red clay
395 sand, water, slight overflow

Parker's West Well — Water Well
(Continued)

471 sand
507 clay, black
530 clay, black with some sand, good stream wtr.
546 clay, black
580 sand
585 clay, blue
621 sand, with very little clay
652 white sand
662 clay, stiff
706 sand, white
714 sand, red, some clay
785 sand, white
795 sand, reddish
837 sand, white
876 sand and clay
880 sand, white
898 white sand and beds of clay and sand
1091 hard sand rock, some white alternating with softer rock

TOTAL DEPTH

SUMMARY

Eutaw 0- 225
Tuscaloosa 225-TD

WILCOX COUNTY

O'Brien Brothers — R. J. Doak No. 1 (No. 197 on map)

Located: Cen. of NW/4 NW/4 Sec. 21, Twp. 11 N., Rge. 5 E.

Began: 5-1-27

Completed: 6-22-27

Elevation: 210'

Casing Record: ?

- 0- 20 surface sand and clay
- 44 shale, blue
- 50 rock
- 150 shale, gummy
- 180 gumbo
- 275 gumbo and boulders
- 283 shale, sandy
- 307 gumbo
- 310 rock
- 325 gumbo and boulders
- 340 sand, hard
- 375 gumbo and boulders
- 385 sand, hard
- 400 gumbo
- 420 shale, gummy
- 421 rock
- 437 gumbo
- 500 shale
- 520 shale, sandy
- 625 shale
- 634 gumbo
- 635 shell rock
- 708 gumbo
- 710 coal
- 815 shale and boulders
- 870 gumbo tuff
- 905 shale
- 919 gumbo, tough
- 971 shale, gummy
- 991 chalk
- 995 sandy chalk
- 1084 broken chalk, (core at 1084)
- 1300 gummy chalk (core at 1291)
- 1398 broken chalk and shale (core at 1303)
- 1630 broken chalk and shale (core at 1404)
- 1825 gummy chalk
- 1840 gummy chalk and streaks of shale
- 1860 sandy chalk (core)
- 1905 gummy chalk tuff
- 1928 gummy chalk (S.L.M. at 1928)

O'Brien Brothers — R. J. Doak No. 1 (No. 197 on map)

(Continued)

1930	sandy chalk with streaks of shale
1945	sandy chalk with streaks of shale
2025	gummy chalk
2045	shale and chalk
2055	sandy shale
2070	gumbo, shell streaks
2084	sandy shale
2090	gumbo
2096	lime rock
2159	green sand (core)
2162	hard sand & lime rock
2164	green sand & sandy shale (core)
2226	green sandy shale and streaks of hard lime
2248	gray sand
2328	gray sand and streaks hard lime
2331	hard lime
2380	sandy shale
2408	gumbo
2413	hard sandy lime
2414	green sand with hard streaks (core)
2425	sandy shale
2427	lime rock
2462	sandy shale
2469	gumbo
2495	gummy shale
2501	hard sand
2526	hard shale (core)
2529	lime
2533	sandy shale
2535	hard shale (core 2530'8" S.L.M.)
2562	hard shale

TOTAL DEPTH

SUMMARY

Wilcox	0- 385
Midway	385- 815
Ripley	815- 971
Selma	971-1846
Eutaw	1846-2495 (?)
Tuscaloosa	2495-T.D.

Camden Cotton Oil Company — Water Well No. 1

Located: Sec. 8, Twp. 12 N., Rge. 8 E.

Began: ? ?

Completed: Before 1906

Elevation: 350'

0- 10 sand and gravel
28 soapstone, laminated clay and shells
31 rock
164 soapstone
165 flint rock
183 lime rock
184 hard rock
200 sand and water
201 hard rock
204 clay
213 sand rock
215 clay
216 hard rock
308 lime rock ?
316 hard rock
350 sand, shells and good stream of water
351 hard rock
383 black dirt and good quality mica
384 flint rock
530 lime rock
550 clay, blue
795 lime rock
833 clay, white
916 black dirt
918 hard rock
1150 lime rock
1173 clay, blue
1195 sand and some water
1235 lime rock

TOTAL DEPTH

SUMMARY

Clayton (?)	164-184
Ripley	184-384
Selma	384-T.D.

CLARKE COUNTY

Magnolia Petroleum Company—Scotch Lumber Co. No. 1 (No. 198 on map)

Located: 250' N. & 310' E. of SW/c. of NE/4 of Section 17, Twp. 10 N.,
Rge. 3 E.

Began: 6-15-1934

Completed: 8-15-1934

Elevation: 357'

Casing Record: 13 $\frac{3}{8}$ " @ 255'

- 0- 10 clay and red sand
- 30 lime and streaks sand
- 55 lime and green sand
- 189 sandy shale and boulders
- 205 sandy shale, sand and boulders
- 206 rock
- 253 sticky shale and shells
- 266 sticky shale
- 267 rock
- 305 sand and boulders
- 372 sand shells and streaks shale
- 381 broken lime
- 394 lime rock
- 440 sand lignite and streaks shells
- 442 rock
- 528 shale and shells
- 568 brown and gray shale
- 573 broken shale and boulders
- 704 gray shale
- 727 gray shale and boulders
- 738 gray and brown lignitic shale
- 851 gray and brown shale
- 886 gray shale
- 895 sticky shale
- 896 shells
- 920 broken lime
- 970 green sand, shells and shale
- 1009 green and gray sand and shells
- 1011 rock
- 1060 shale, gummy streaks
- 1150 shale, shells, streaks sand
- 1195 gray shale and sand
- 1212 broken sandy shale
- 1233 gray sand with streaks brown shale, core 1212-1220
- 1238 sticky shale
- 1260 sand and streaks shale
- 1329 shale and boulders with streaks sandy shale
- 1343 shale, black
- 1345 rock

Magnolia Petroleum Company—Scotch Lumber Co. No. 1 (No. 198 on map)
(Continued)

- 1351 shale and boulders
- 1390 black shale and boulders
- 1430 shale, gummy shale
- 1480 shale boulders, streaks shells
- 1500 black shale
- 1520 gummy shale
- 1525 hard black shale
- 1527 rock
- 1539 shale and boulders
- 1546 shale with streaks sand
- 1549 sand and pyrite
- 1550 rock
- 1604 black shale, boulders and shells
- 1616 broken shell, shale and boulders
- 1676 sticky shale with streaks gray sandy shale
- 1687 broken green limestone and shale
- 1708 chalky shale
- 1746 chalky shale streaks chalk
- 1790 gummy chalk with hard streaks
- 2292 chalk
- 2316 hard chalky lime
- 2441 chalk
- 2467 chalk with hard streaks and sticky streaks
- 2497 chalky shale with streaks chalk and broken lime and shells
- 2550 chalky shale
- 2600 chalky shale with streaks lime and shells
- 2604 hard chalk
- 2646 broken chalk
- 2648 hard sandy lime
- 2660 chalky shale with streaks lime
- 2672 hard chalk
- 2676 chalk and shale
- 2678 hard chalky lime
- 2694 chalky shale with streaks chalk
- 2716 broken chalk
- 2718 gummy chalky shale
- 2721 hard sandy lime
- 2722 sandy shale, showing trace oil
- 2750 gummy shale with streaks lime
- 2758 broken limy chalk and sticky shale
- 2774 broken sandy lime, shells and green gummy shale
- 2794 hard sandy lime
- 2806 gummy shale streaks sandy lime
- 2823 shale with sticky streaks

Magnolia Petroleum Company—Scotch Lumber Co. No. 1 (No. 198 on map)
(Continued)

- 2830 sandy lime, cored 2823-2824
- 2831 lime cap rock
- 2833 green sand, salt water
- 2873 green sand and sandy shale
- 2938 sandy shale with streaks sand
- 2960 green sand, cored 2938-2941
- 2990 sandy shale and soft shale
- 3018 shale
- 3023 sandy shale and sand
- 3050 shale with sticky streaks
- 3070 sandy shale
- 3100 shale with sticky streaks
- 3106 hard green sand, salt water, cored 3102-3105
- 3215 sand, sandy shale with streaks shale
- 3223 streaks of sticky shale and streaks sand
- 3250 streaks of sticky shale and sandy shale
- 3275 shale with streaks sticky
- 3298 brown shale with streaks blue shale
- 3328 shale
- 3340 sandy shale
- 3346 gummy shale
- 3350 soft gray sand, salt water, cored 3348-3350
- 3403 soft gray sand
- 3422 red and gray micaceous shale
- 3430 gray water sand, cored
- 3440 hard red sandy shale
- 3461 sandy shale and sticky shale
- 3496 red shale with streaks sand
- 3500 sand, cored
- 3522 sand and streaks red shale
- 3525 red shale streaks gummy sand, cored
- 3532 red shale streaks sand, cored, sand
- 3535 red sandy shale streaks gray and green
- 3541 gray and green sandy shale
- 3548 red and gray shale
- 3550 coarse gray sand, cored
- 3582 red and gray shale with streaks sand
- 3584 mucky gray sand, cored
- 3604 red shale and sandy shale
- 3607 mucky gray sand, cored
- 3628 sand
- 3631 red sticky shale
- 3634 coarse gray sand, cored
- 3654 sand and streaks of shale

Magnolia Petroleum Company—Scotch Lumber Co. No. 1 (No. 198 on map)
(Continued)

- 3656 gray sticky shale and sand, cored
- 3669 sticky shale
- 3678 coarse gray sand, cored 3669-3672
- 3712 gray sand with streaks shale
- 3742 hard gummy red shale
- 3756 blue and red shale, cored 3742-3744 and 3754-3756
- 3779 hard sticky red shale
- 3781 gray mucky sand, cored
- 3803 sand and mucky sandy shale
- 3825 sand streaks red shale, cored 3822-3825
- 3855 sandy shale with hard streaks sand
- 3865 red shale gummy and hard streaks
- 3871 red and blue shale, cored 3865-3867
- 3890 hard blue sandy shale & sticky shale
- 3893 gray sand and mucky sandy shale, cored
- 3902 broken sand and mucky shale
- 3906 hard dark brown shale
- 3909 sand and hard shale, cored
- 3918 hard shale with streaks sand and sticky shale
- 3940 hard shale with streaks sand and gummy streaks
- 3952 hard shale with gummy streaks
- 3958 broken sand and shale
- 3976 gummy shale, blue, cored 3958-3960
- 3985 sticky shale and sandy shale
- 3988 gray sand and sandy shale, cored
- 4017 sand, sandy shale and sticky shale
- 4020 gray mucky sandy shale with streaks hard black shale
- 4030 gray shale
- 4033 sand, gray, cored
- 4040 gray sand with streaks brown shale
- 4070 brown shale streaks red shale
- 4080 gummy shale
- 4084 hard sandy lime rock, cored 4081-4082
- 4094 micaceous sandy black shale, cored
- 4095 hard calcareous sandrock, cored
- 4099 rock streaks hard shale
- 4101 hard sticky black shale, cored
- 4123 hard sticky black shale
- 4125 sandy shale with streaks shale, cored
- 4130 black shale streaks sandy shale
- 4136 hard black shale
- 4139 black shale streaks hard sand, cored
- 4155 black shale streaks hard sand
- 4186 hard black shale with gummy streaks

Magnolia Petroleum Company—Scotch Lumber Co. No. 1 (No. 198 on map)
(Continued)

- 4188 sand, cored
- 4191 hard sandy shale and hard black shale, cored
- 4202 hard shale with sandy streaks
- 4207 black shale
- 4216 hard and soft green sand, cored 4208-4211
- 4219 gray and green sandy shale, cored
- 4242 sandy shale and streaks sand
- 4268 hard shale and sandy shale
- 4274 sandy shale streaks hard sand
- 4296 sandy shale
- 4302 soft gray sand, cored
- 4350 soft sand streaks shale
- 4370 sandy shale
- 4375 shale
- 4384 gray and green sand, cored 4376-4378
- 4398 sandy shale with gummy streaks
- 4406 gray coarse sand, cored 4398-4400
- 4414 sand and sandy shale
- 4465 soft sand streaks shale
- 4475 hard shale streaks lignite
- 4490 hard shale
- 4520 sand streaks lignite, cored 4492-4494
- 4536 sandy shale, gummy streaks
- 4540 sand, cored
- 4556 sand, sandy shale and lignite
- 4572 hard shale with streaks sand
- 4601 hard shale with streaks sand
- 4620 red sticky shale, cut 4 cores, no recovery
- 4626 hard shale
- 4640 blue and red sticky shale
- 4648 red gummy shale, cored 4646-4648
- 4669 hard red shale, cored 4652-4655
- 4689 gray sand streaks blue shale
- 4697 red shale with hard streaks
- 4708 hard shale
- 4711 gray sandy shale, streaks sand and shale, cored 4709-4711
- 4729 red and pink shale, cored 4727-4729
- 4752 hard red shale
- 4755 gray sand, cored
- 4775 sand with streaks ash
- 4786 red shale with streaks of sand
- 4808 hard red shale
- 4821 micaceous gray sand, cored 4809-4812
- 4834 gray sticky sand

Magnolia Petroleum Company—Scotch Lumber Co. No. 1 (No. 198 on map)
(Continued)

- 4862 mucky sandy shale and sand
- 4918 soft sand, red and blue shale
- 4950 hard black shale streaks sandy shale
- 4970 hard red shale, cored 4951-4954
- 4999 soft mucky sand with streaks gray and pink shale
- 5048 soft sand with streaks red and blue gummy shale
- 5051 red shale with streaks blue shale, cored
- 5072 red shale, sticky
- 5077 red sand and sandy shale
- 5085 red sand and shale
- 5133 red sandy shale with hard streaks
- 5138 red gummy shale
- 5154 red gummy shale with streaks sand
- 5195 red shade and red sandy shale
- 5240 red shale streaks of black and brown shale
- 5267 soft mucky sand with streaks red gummy and sandy shale
- 5278 red sandy shale and streaks shale
- 5280 hard gummy shale
- 5305 red sandy shale and shale
- 5310 red sandy shale
- 5329 red gummy shale
- 5351 red gummy hard shale streaks sandy shale
- 5372 red gummy shale
- 5381 red sand
- 5418 red gummy shale streaks sandy shale
- 5431 red sticky shale and sandy shale
- 5440 red sand
- 5449 red sand and shale
- 5477 sandy shale and streaks shale
- 5485 red gummy shale
- 5517 red gummy shale
- 5580 red sandy shale hard streaks of sand
- 5592 red sand with streaks red shale
- 5597 red sandy shale
- 5599 red micaceous shale
- 5621 red shale and gummy streaks
- 5644 red shale and streaks of sandy shale
- 5672 shale with streaks of sand
- 5678 hard red shale with streaks sand
- 5701 hard red gummy shale and sandy shale
- 5711 hard red shale
- 5722 red shale with streaks of sand
- 5728 red shale with gummy streaks
- 5745 hard gummy red shale

Magnolia Petroleum Company—Scotch Lumber Co. No. 1 (No. 198 on map)
(Continued)

5752	sand
5755	red sandy shale
5773	red shale with gummy streaks
5778	gummy red shale
5814	hard red shale with gummy streaks
5817	red sand
5839	red sand with streaks shale
5844	red sand
5850	sand and shale
5858	soft sticky shale
5880	soft shale with streaks sand
5955	red shale with gummy streaks
5988	red gummy shale with streaks hard shale
5990	hard sandy lime rock
6010	hard coarse sand with quartzitic pebbles

TOTAL DEPTH

SUMMARY

Wilcox	0-1300
Midway	1300-1659
Ripley	1659-1746
Selma	1746-2750
Eutaw	2750-4400
Tuscaloosa	4400-T.D.

Alabama Oil Company — Mitchell No. 1 (No. 199 on map)

Located: SW/4 of NE/4 of Section 26, Twp. 8 N., Rge. 1 W.

Began: 10-6-1917

Completed: 1-29-1918

Elevation: 156'

Casing Record: ? ?

0-	8	clay, red, hard
	60	sand, brown, soft
	300	shale, gumbo, brown, soft
	302	rock, gray, hard
	340	gumbo, boulders, brown, hard
	380	gumbo, blue, medium, hard
	381	rock, black, hard
	400	shale, gray, soft
	470	gumbo, blue, soft

Alabama Oil Company — Mitchell No. 1 (No. 199 on map)

(Continued)

520	gumbo, blue, hard
525	shell, white, hard
575	shale, gray, soft
610	gumbo, blue, medium
680	shale, gray, soft
700	gumbo, blue, hard
707	gas rock, coarse sand, brown, hard, show, gas
750	shale, gray soft
756	gas rock, brown, hard, coarse, sandstone, gas showing
800	gumbo, blue medium
860	shale, gray, soft
870	shell, white, medium
910	gumbo, blue, hard
945	gumbo, blue, hard
950	sandstone, black, hard
1010	shale, blue, soft
1015	shell, white, hard
1090	shale, soft, blue
1100	gumbo, blue, hard
1103	rock, black, flint, hard
1160	shale, blue, soft
1200	gumbo, blue, soft
1202	rock, black, hard
1300	shale, blue, soft
1304	rock, black hard
1360	gumbo, blue, soft
1400	shale, blue, soft
1520	shale, gray, soft
1600	gumbo, blue, soft
1640	shale, gray, soft
1700	gumbo, blue hard
2650	chalk, rock, white, good show oil at 2165'
2660	little sand, soft, salt water
2680	shale, white soft
2700	gumbo, gray, soft
2720	shale, gray, soft
2746	shale, boulder, gray, soft
2766	sand, white, soft, salt water
2769	rock, black medium, looks like sandy shale
2781	gumbo, blue, medium
2800	shale, gray, soft
2820	sand, white, soft, very soft with hard spots
2840	shale, gray, soft
2920	sand, green, medium

Alabama Oil Company — Mitchell No. 1 (No. 199 on map)
(Continued)

3007	sand, white, medium
3027	shale, gray, soft
3055	sand, light brown, medium
3080	shale, gray, soft
3090	gumbo, blue, tough
3130	sand, light brown, soft with hard spots, salt water
3148	shale, gray, soft
3150	rock, hard, pyrite
3155	shale, gray, soft
3157	rock, brown, hard
3191	sand, soft, white
3202	gumbo, blue, soft
3233	sand, white, soft
3279	shale, gray, soft
3300	gumbo, blue, hard
3336	shale, gray, soft
3396	sand, white, soft
3400	shale, gray, soft

TOTAL DEPTH

SUMMARY

Wilcox	0- 945
Midway	945-1304
Ripley-Selma	1304-2650
Eutaw	2650-3027
Tuscaloosa	3027-3400

Mutual and Keoghan Oil Companies—McCorquodale No. 2 (No. 200 on map)

Located: SE/4 of SE/4 of NW/4, Sec. 35, T. 8 N., R. 1 W. 300' N. of
Center of Sec.

Began: 7-28-1923

Comp.: 12-6-1924

Elevation: 32'

Casing Record: 8¼" @ 1508'

0-	8 clay
28	sand
41	shale
72	gumbo
90	shale, sticky

Mutual and Keoghan Oil Companies—McCorquodale No. 2 (No. 200 on map)
(Continued)

91	rock
135	shale
139	rock
230	shale, sticky
231	rock
250	shale
260	gumbo
400	shale, sticky
502	shale
505	rock
533	shale, sticky, salt water
540	gumbo
568	shale, sticky
733	shale, black, sandy
738	rock
742	gumbo
746	rock, hard
752	shale
753	rock
791	shale, sticky
856	gumbo
910	shale, sticky
914	shale
922	shale and boulders
1069	shale, sticky
1072	rock
1100	shale, sticky, reported oil and gas show followed by flowing salt water from 1072-1310'
1126	gumbo
1320	shale, sticky
1358	shale and boulders
1508	shale, sticky
1764	chalk rock
2185	chalk rock, broken
2237	chalk rock; broken shale
2301	chalk rock, broken
2437	chalk rock and shale
2541	chalk rock and sand streaks
2588	sand, hard
2609	sand, hard, and gummy shale
2668	sand and shale
2682	sand, hard
2707	sand and shale
2715	sand, hard

Mutual and Keoghan Oil Companies—McCorquodale No. 2 (No. 200 on map)
(Continued)

2725	shale, sticky
2792	sand rock
2849	shale, sandy
2854	rock
2880	shale, sandy, hard
2962	shale, hard, sandy
2963	sand, hard
2976	gumbo
3001	shale, hard
3008	sand rock
3019	shale, sticky
3051	shale, sandy, hard
3098	shale, sandy, red
3099	rock
3238	shale, sandy, red
3260	sand, hard
3309	shale, hard, sandy
3321	shale, sandy
3328	gumbo
3364	shale, sticky
3380	shale, sandy
3408	sand, hard, sharp
3429	shale, sandy
3434	sand, hard
3477	shale, sandy
3502	gumbo
3514	sand, hard, sharp
3548	shale, sandy, sand
3559	gumbo
3561	rock
3574	shale, sandy
3596	shale, sticky sand
3597	rock
3602	shale, sticky, sand
3603	rock
3609	lime, broken
3629	shale, sandy lime
3633	lime
3642	shale, sandy
3643	rock
3654	gumbo
3663	lime, broken
3668	lime
3677	shale, sandy

3694 gumbo
 3695 rock, bottom of hole

TOTAL DEPTH

SUMMARY

Wilcox	0- 733
Midway	733-1072
Ripley - Selma	1072-2541
Eutaw	2541-3001
Tuscaloosa	3001-3695

G. J. Greer et al — A. Maecher No. 1 (No. 202 on map)

Located: SW/4 SE/4 NW/4, Sec 9, Twp. 7N, Rge. 1E

Began: 4-12-1938

Completed: 5-3-1938

Elevation: 47'

Casing Record: 13 3/8 @ 91'

0- 79 sand
 91 shale
 324 gummy shale
 327 rock
 506 gummy shale
 508 rock
 684 gummy shale
 697 broken lime
 746 soft sand
 750 sand and shells
 780 gummy slate
 1006 sandy shale and streaks lignite
 1012 hard lime rock
 1077 shale and streaks sandy shale
 1165 sandy shale
 1584 black shale
 1830 chalk
 1940 hard chalk
 2523 chalk
 2585 chalky shale
 2604 sandy shale
 2619 green sand
 2720 sandy shale, streaks of sticky shale
 2760 sandy shale
 2768 hard green sand
 2795 sandy shale
 2820 hard green sand

G. J. Greer et al — A. Maehrer No. 1 (No. 202 on map)
(Continued)

2830	gummy shale
2960	hard sand with streaks of shale
2995	hard sand with streaks of pyrite
3010	hard brown sand
3040	gummy shale
3060	sandy shale
3078	gummy shale
3090	soft white sand cored
3095	red sandy shale
3115	coarse sand cored
3186	red and gray sandy shale
3250	red shale with streaks of sandy shale
3253	hard sand rock
3290	red sandy shale
3320	red and gray shale
3475	red and gray shale with streaks of gummy shale
3508	gray gummy shale
3511	white sand cored

TOTAL DEPTH

SUMMARY:

Top Salt Mountain	682
Top Midway	1165
Top Selma	2604
Top Eutaw	2585
Top Tuscaloosa	3090

S. A. Hobson — Bolen No. 1 (No. 203 on map)

Located: NE/Cor., SE/4 of SE/4, Sec. 17, T. 7 N., R. 1 E.

Began: ? Completed: 1902 - 1903

Elevation: 43' Casing Record: ?

- 0- 20 Lafayette loam with gravel at bottom
- 60 dark blue and greenish marl, and sand clays with pyrite nodules
- 61 ledge or rock (strong gas from below this)
- 64 indurated sand rock (more gas and salt water)
- 140 dark marls with pyrite nodules (more gas and film of oil)
- 129 quicksand with lignite streaks near bottom
- 229 dark marls and clays occasionally slightly sandy

S. A. Hobson — Bolen No. 1 (No. 203 on map)

(Continued)

- 239 light colored, slightly indurated sand rock
- 329 dark gummy clays and marls, yielding a black molasses-like fluid, odorless, which fluoresces in certain light
- 706 alternations of dark gummy shales, sandy clay and clayey sands, with occasional pyrite nodules, shales aggregate 90% of whole
- 710 hard, almost quartz-like, sand rock
- 740 loose sands, dark colored gray grains with fish remains, strong stream of salt water, with gas that burns 15 ft. high from 6 in. pipe

TOTAL DEPTH

Edgar Oil Company — Bumpus No. 1 (No. 205 on map)

Located: NW/4 SW/4 of Section 26, TWP. 7N. RGE. 1E

Began: ? ?

Completed: 1903 to 1904

Elevation: 138'

Casing Record: ? ?

- 0- 10 sand
- 14 limestone
- 17 mud
- 100 white chimney rock (St. Stephens limestone)
- 110 yellow sand, dry
- 115 blue sandy clay
- 165 white limestone
- 185 sand
- 190 shells
- 215 black clay
- 225 black sand
- 275 gray sand and shells
- 322 buhrstone
- 324 clay with mica
- 352 sand and shells (slight show of oil)
- 370 bluish sand
- 402 buhrstone and shale
- 457 coarse water sand
- 504 green clay and stone
- 528 green clay and stone, showing oil and gas
- 505 gumbo
- 570 gray and black sand
- 702 light colored gumbo, turning dark
- 704 black sand and shell with gas and oil

Edgar Oil Company — Bumpus No. 1 (No. 205 on map)
(Continued)

- 705 black gumbo
- 825 gray sand and clay—with gas
- 905 gumbo
- 930 sand with water and gas
- 960 blue gumbo
- 975 sand and gas
- 980 blue gumbo
- 982 white clay
- 983 very black sand
- 1035 gumbo
- 1055 sand
- 1102 gumbo
- 1108 black sand and gas
- 1160 light colored clay
- 1201 gumbo, stopped on rock

TOTAL DEPTH

S. A. Hobson — Salt Mountain No. 1 (No. 206 on map)

Located: SW/Cor. NW/4 of SW/4, Sec. 34, T 6 N, R 2 E

Began: ? Completed: 5-22-1905

Elevation: 61' Casing Record: ?

- 0- 7 surface soil and clayey sand
- 17 bluish clay
- 17½ fossiliferous limestone ledge
- 19½ gravel—strong stream salt water—some gas
- 21½ dark greenish, unctuous-feeling, acid-tasting substance containing a few fossils shells or prints, weathering white on exposure to the air
- 70½ gravel and clear sand
- 74½ indurated dark grayish sand rock
- 124½ dark gray sand, partially indurated, with occasional very hard ledges
- 339½ dark gummy shale, exuding odorless, molasses-like scum; very compact formation as a whole but with thin streak of gravel and sand; nodules of pyrite interspersed throughout
- 314 indurated ledge of sand rock
- 441 shale similar to that at 215 ft. (gummy)
- 446 very hard conglomerate; sand, gravel, pyrite and occasional shell fragments

S. A. Hobson — Salt Mountain No. 1 (No. 206 on map)
(Continued)

- 521 gummy shales with many pyrite nodules and occasional shale "pots" which cave under water pressure
- 533 mixture of clay, gravel, and shells, capped with indurated ledge
- 729 gummy clays, with occasional alterations of siliceous shale and pyrite nodules
- 730½ compact shale ledge
- 808 sand, almost hard enough to make self-sustaining walls
- 809 very hard ledge, semi-crystalline sand rock
- 901 partially indurated sand
- 921 peculiar dark sandy shale, somewhat short shaped when wet but rather amorphous when dry, pouring out of hole in volumes as drilling progresses

TOTAL DEPTH—924 ft.

Ramsey Petroleum Corporation, et al — Hobson-Boykin No. 1 (No 207 on map)

Located: 306'N & 484'W of SE/Cor. of NE/4 of SE/4, Sec. 33, T 6 N, R 2 E.

Began: 4-17-1932

Completed: 6-30-1932

Elevation: 67.4'

Csg. Rec. 20" @ 30'
12½" @ 337'

- 0- 16 surface sand
- 94 lime
- 104 sandy lime
- 130 sand and gravel
- 146 shale
- 150 lime
- 168 broken lime and shale
- 172 shale
- 191 broken sandy lime with shale
- 192 lime
- 205 gray sand
- 339 gray lime
- 457 black shale
- 459 lime
- 681 black shale
- 682 lime
- 719 black shale
- 721 lime

Ramsey Petroleum Corporation, et al — Hobson-Boykin No. 1 (No 207 on map)

(Continued)

- 760 shale and shells
- 764 limestone
- 801 black shale
- 810 core—2' recovery, top hard chalk, base gummy chalk. Drill stem test 801-852', open 30 min., tested dry.
- 1340 Selma chalk
- 1424 black shale
- 1448 black sandy shale
- 1480 gray, greenish shale
- 1487 core 2" recovery, micaceous sandy shale
- 1540 glauconitic gray sand
- 1541 lime shells
- 1559 glauconitic gray sand
- 1565 core 1' recovery, micaceous sandy shale
- 1580 gray shale
- 1588 sand
- 1619 sand and shale
- 1621 hard lime shells
- 1625 shale and sand
- 1635 sand
- 1655 gray shale
- 1670 very hard quartzitic sandstone
- 1692 dark shale
- 1715 dark shale and pebbles
- 1738 white coarse sand
- 1770 red beds
- 1792 white coarse sand; some red beds
- 1799 core, 2½' recovery, red beds, bentonite and mottled green, brown, yellow, red, shale
- 1827 red bed
- 1864 coarse grain sand
- 1870 core missed, cut like sand
- 1876 core missed, cut like sand
Drill stem test 1832-1876', seat gave away and tool leaked; therefore no test
- 1902 sand
- 1912 gumbo
- 1913 lime and shells
- 1921 sand, volcanic ash and lignite
- 1925 gummy shale
- 1932 sand
- 1933 shells
- 1948 sand, few hard streaks

Ramsey Petroleum Corporation, et al — Hobson-Boykin No. 1 (No 207 on map)

(Continued)

- 1961 gummy shale, streaks of sand
- 1962 shells
- 1965 gummy shale
- 1973 sand, streaks of shale
- 1974 shells
- 1995 sand, streaks of shale in bentonite
- 2026 mottled shale, bentonite ash and sand
- 2071 sand
- 2074 hard sand rock
- 2100 sand, some bentonite and mottled shale
- 2165 bentonitic shale
- 2198 sand
- 2312 bentonitic shale, some lignite
- 2423 gray shale, some bentonite and lignite
- 2471 blue shale
- 2472 lime shells
- 2483 fine grained glauconitic sand
- 2484 lime shells
- 2486 sandy shale
- 2508 blue shale, streaks of fine grained glauconitic sand
- 2509 lime shells
- 2524 blue shale streaks of fine grained glauconitic sand
- 2563 blue and gray shale
- 2564 very hard rock
- 2566 core—no recovery, cut out roller core head
- 2568 lime rock
- 2630 blue, gray shale
- 2640 shale, streaks of sand
- 2657 coarse grained glauconitic sand
- 2673 core—3" recovery, micaceous glauconitic lignitic fine grained sand,
not enough recovery to note true character of sand
- 2688 gray shale, streaks of lignite and sand
- 2709 gray sand
- 2727 gray shale
- 2760 gray shale, large amount pyrites, conglomerate iron stone and some
lignite
- 2829 coarse grained sand
- 2863 gray shale and sand
- 2900 coarse grained sand
- 2962 red beds, few thin streaks of sand
- 2963 core—3" recovery, hard quartzitic sand cored with 6" basket to re-
cover junk in hole
- 2972 blue and red shale

Ramsey Petroleum Corporation, et al — Hobson-Boykin No. 1 (No. 207 on map)

(Continued)

- 2989 calcareous, glauconitic coarse sand
- 3003 red beds
- 3033 hard gray sand
- 3050 red beds
- 3151 coarse grained sand
- 3175 brownish red shale
- 3328 white coarse sand
- 3338 sand and red shale
- 3370 hard white sand
- 3436 reddish brown shale
- 3469 white coarse sand, S. L. M. - 3485
- 3575 coarse white sand
- 3688 reddish brown shale
- 3719 reddish brown and blue shale
- 3743 white sand
- 3753 reddish brown shale
- 3868 white sand
- 3876 very hard sand
- 3926 reddish brown shale
- 3952 white sand
- 4031 reddish brown shale, streaks of white sand
- 4120 mottled shale
- 4123 sandstone
- 4237 coarse white sand
- 4440 coarse white sand, some red, gray, brown, shale in cuttings due to caving
- 4455 core recovery 2'; 1' of red sand and 1' of mottled sandy lime showing 46 deg. dip. Core cut hard and soft streaks
- 4533 sand

TOTAL DEPTH

SUMMARY:

Marriana	0- 100
Jackson	100- 220
Wilcox	220- 339
Salt Mountain (249-339)	
Midway	339- 801
Selma	801-1478
Eutaw	1478-1738
Tuscaloosa	1738-4487
(?)	4487- TD

Well cut Jackson Fault at 220'.

Ramsey Petroleum Corporation, et al — Hobson-Boykin No. 1 (No. 207 on map)

(Continued)

REMARKS: Straight hole tests

500'	off	3	degrees
1000	"	3	"
1500	"	3	"
2000	"	3	"
2250	"	5	"
2500	"	5	"
3000	"	10	"
3500	"	14	"

Layne & Bowler Co. — No. 1 Thomasville Water Well

Located: Sec. 23-24, T. 11 N., R. 3 E.

Began: 11-1-1916

Completed: 1917

Elevation: ?

Casing Record: ?

0- 20 clay
 80 silt
 140 gumbo
 145 rock
 286 gumbo
 287 rock
 385 gumbo
 388 rock
 522 gumbo
 527 rock
 601 gumbo
 607 rock
 618 gumbo
 621 rock
 640 gumbo
 646 rock
 666 gumbo
 667 rock
 669 gumbo
 671 rock
 673 gumbo
 675 rock
 677 gumbo

Layne & Bowler Co. — No. 1 Thomasville Water Well

(Continued)

784 rock
710 gumbo
714 rock
850 gumbo and boulders
854 rock
887 gumbo
891 rock
1117 gumbo—hard
1124 rock
1447 gumbo and boulders
1449 rock
1509 hard clay
1510 rock
1512 white clay
1513 rock
1531 white clay
1537 rock

TOTAL DEPTH

CHOCTAW COUNTY

C. W. Robinson, et al — Long Bell Lumber Company No. 1 (No. 208 on map)

Located: 330' from S. line & 330' from W. line of SE/4 of Section 28, Twp. 10 N., Rge. 4 W.

Began: 3-19-1929

Completed: 5-7-1929

Elevation: 325'

Casing Record: 15½" @ 40'
12½" @ 361'

- 0- 18 surface
- 39 blue shale and sand
- 83 sand and shale
- 120 sand and gravel
- 200 gray shale and sand
- 262 sand
- 312 hard sand
- 321 hard sand with gravel and shale
- 508 sand, shells and shale
- 546 sand and shale
- 576 sticky shale
- 594 sand
- 604 sandy shale
- 626 sand and gravel
- 646 sandy gravel
- 676 hard sand
- 690 gravel and shale
- 692 hard sand rock
- 702 sandy shale, cored at 691'
- 776 sandy shale
- 778 rock
- 830 gumbo with streaks sand
- 842 sandy gumbo
- 844 sand rock
- 852 sand and shells
- 883 sticky shale
- 888 sand and shale
- 960 sand and shale
- 1046 gummy shale
- 1132 sticky shale with small portions of sand
- 1159 sticky shale and fine sand
- 1180 sticky shale
- 1233 sandy gumbo
- 1234 rock
- 1282 gumbo
- 1390 gumbo and shale
- 1395 gummy shale
- 1400 no record
- 1401 hard sand rock

C. W. Robinson, et al — Long Bell Lumber Company No. 1 (No. 208 on map)
(Continued)

- 1405 sand, white
- 1411 sandy shale
- 1417 sticky shale with sand
- 1432 sticky shale with streaks of sand
- 1482 tough gumbo
- 1488 gummy shale with boulders
- 1563 gummy shale
- 1570 blue sand rock
- 1637 broken streaks of sand and shale
- 1641 sand rock
- 1653 broken sand and shale
- 1688 hard and soft green sand with lots of shells
- 1690 soft sand
- 1700 sand
- 1702 sand rock
- 1718 shale with shells
- 1722 hard sand
- 1763 sandy lime
- 1798 shale with streaks
- 1818 tough gumbo
- 1820 rough, hard rock
- 1822 hard rock
- 1884 broken sand and shale
- 1892 hard sandy shale
- 1911 broken sand and shale
- 1960 gumbo with streaks of sand
- 1972 gumbo
- 2003 gumbo with streaks of sand
- 2010 hard shale
- 2016 sandy shale, cored 2010-2015
- 2018 hard rock
- 2038 sand
- 2062 chalk, sand and shale
- 2069 chalky shale with streaks of brown sand
- 2080 sandy shale
- 2103 gummy shale with hard streaks
- 2135 gummy shale with hard sand streaks
- 2170 hard gummy shale
- 2190 hard gummy shale with streaks of sand
- 2191 hard rock
- 2200 gumbo and boulders
- 2217 gumbo and boulders
- 2220 hard rock
- 2260 hard shale, black

C. W. Robinson, et al — Long Bell Lumber Company No. 1 (No. 208 on map)
(Continued)

- 2261 hard rock, very rough
- 2263 rough rock
- 2317 hard black shale and boulders
- 2343 black shale and boulders with streaks of chalky sand
- 2353 gumbo
- 2411 shale and boulders
- 2465 hard black shale with hard black streaks, showing a little white
- 2541 hard shale
- 2566 gummy shale, black
- 2596 hard black shale, cored
- 2597 hard, rough rock
- 2598 sandy shale
- 2634 chalky shale, gummy
- 2639 soft chalk
- 2683 hard gummy chalk
- 2746 chalk rock
- 2810 chalk, sticky
- 2817 chalky shale—Steel line run and hole 20 feet ahead; correct depth when 2780' - 3"; this log was corrected back to top of chalk, making first chalk cored 2598-2604
- 2867 chalk with streaks of shale
- 2896 chalk rock with streaks of shale
- 2906 chalk rock with streaks of shale
- 2950 chalk rock
- 2962 hard chalk
- 3006 hard chalk rock
- 3028 hard chalk with gummy streaks
- 3067 chalk rock gummy streaks
- 3089 hard chalk gummy streaks
- 3118 broken chalk hard & gummy
- 3156 hard gummy chalk
- 3195 tough gummy chalk
- 3200 hard gummy chalk
- 3205 gummy chalk with tough streaks core 3205-08
- 3206 chalk rock—fishing for boulders
- 3210 tough gummy chalk
- 3221 hard gummy chalk
- 3225 hard chalk
- 3240 chalk rock
- 3254 chalk rock with gummy streaks
- 3281 chalky shale hard streaks
- 3293 gummy lime with hard black shale
- 3301 hard broken lime with gummy places
- 3305 hard gummy lime

C. W. Robinson, et al — Long Bell Lumber Company No. 1 (No. 208 on map)
(Continued)

- 3310 hard lime
- 3339 gummy lime
- 3351 hard gummy lime
- 3354 hard lime rock
- 3574 hard gummy chalk
- 3603 gummy chalk with short breaks sandy blue shale
- 3618 broken chalk—cored 3618-21
- 3624 broken chalk and shale
- 3690 hard gummy chalk
- 3709 broken chalk and shale
- 3788 hard and soft shale with gummy streaks
- 3820 hard gummy shale
- 3821 hard sand—cored 3821-3827'
- 3831 green sand and shale
- 3850 sandy shale
- 3851 hard sand
- 3897 sandy shale gummy streaks cored 3851-3857
- 3963 sandy shale with tough gummy streaks
- 4008 sandy shale with gummy streaks
- 4012 hard sand rock—cored 4012-4015 showed thin streaks of sand and shale
- 4020 hard sand streaks shale cored 4015-4020

TOTAL DEPTH

Empire Gas and Fuel Company — Bollinger No. 1 (No. 209 on map)

Located: NW/4 Sec. 13, Twp. 9 N., Rge. 3 W.

Began: 3-28-1918

Completed: 5-16-1918

Elevation: 112'

Casing Record: 10" @ 97'
8" @ 1142'
6" @ 2856'

- 0- 8 clay, red, hard
- 23 sand, brown, soft
- 30 rock, blue, hard (probably flint)
- 140 shale, blue, soft
- 145 rock, brown, medium
- 210 shale, blue, soft
- 290 gumbo, blue, soft
- 302 rock, black, hard
- 412 gumbo, blue, soft

Empire Gas and Fuel Company — Bollinger No. 1 (No. 209 on map)
(Continued)

560	shale, gray, soft
650	shale, sandy, brown, soft
840	gumbo, shale blue, soft
900	green sand, soft, water
1020	shale, gray, soft
1120	sand, white, hard
1142	gumbo, blue, soft
1162	gumbo, blue, tough
1342	shale, sandy, gray, soft
1344	rock, brown, hard
1409	gumbo and shale, gray
1417	shell, white, medium
1507	gumbo and shale, blue
1519	shell, white, hard
1599	gumbo and shale, gray
1600	rock, black, hard
1630	gumbo, blue, tough
1870	shale, sandy, gray
1880	shell, white, medium
1980	gumbo and shale, white
2020	chalk, rock, white, hard
2220	chalk, rock, white, medium
2330	chalk, rock, white, hard
2440	chalk, rock, white, medium
2560	chalk, rock, white, hard
2780	chalk, rock, white, soft
2790	chalk, rock, white, hard
2805	sand, white, soft (salt water)
2856	gumbo, blue, tough
2871	gumbo, blue, tough
2916	shale, gray, soft
2986	limestone, white, soft (very soft with hard brown spots)
3146	lime, white, soft (very rotten)
3156	shale, white, hard
3176	shale, brown soft
3235	green sand, soft
3265	sand, packed (salt water show)
3269	sand rock, white, hard
3329	sand, white, soft
3338	sand rock, white, hard
3393	green sand, (salt water flow)
3433	green sand, hard
3483	sand, white, medium
3495	gumbo, blue, tough

Empire Gas and Fuel Company — Bollinger No. 1 (No. 209 on map)
(Continued)

3615 sand, white, hard
3630 sand, reddish, hard
3655 gumbo, red, tough
3740 shale, red, medium, hard
3750 gumbo, red, tough
3805 shale, red
3825 gumbo, red, tough
3875 shale and gumbo, very broken
3885 gumbo, red, tough
3915 shale, red, hard
3960 shale, red
3975 gumbo, red
3985 shells
4005 shale, red
4015 sand, very hard

TOTAL DEPTH

SUMMARY:

Wilcox	0-1342
Midway	1342-1630
Ripley-Selma	1630-2790
Eutaw	2790-3433
Tuscaloosa	3433-4015

Joe Modisette, et al, (Union Producing Company), G. T. McCorvey No. 1
(No. 210 on map)

Located: 150' from E. line & 150' from S. line of SW/4 of SW/4, Sec. 20,
Tp. 9 N., R. 2 W.

Began: 2-28-1937

Completed: 6-20-1940

Elevation: 120'

Casing Record: 16" @ 171'
9 $\frac{5}{8}$ " @ 3262'
7" @ 4038'

0- 170 surface (?)
240 sandy shale
254 hard lime
314 sandy shale
427 shale
637 shale and shell
641 lime

Joe Modisette, et al, (Union Producing Company), G. T. McCorvey No. 1
(No. 210 on map)—(Continued)

810 shale & shell
840 sandy shale
860 sand
934 sandy shale
938 lime
960 sandy shale
971 hard lime
998 shale & shell
1000 lime
1070 sandy marl
1125 shale & shell
1212 shale, shell & streaks sand
1295 sandy shale, streaks sand
1320 sand streaks lignite
1363 sandy shale
1483 sandy shale, streaks lignite
1515 shale
1550 shale streaks sand
1552 lime
1555 shale
1640 black shale with boulders
1670 sandy shale, streaks lime
1791 black shale & streaks lime
1855 black shale & lime boulders
1865 shale, streaks lime
1875 gummy marl
1877 hard chalk
1885 chalk
1911 chalk & streaks shale
1965 chalk
2353 chalk & streaks black shale
2396 chalk
2575 chalk & black shale
2581 shale
2622 chalk & shale
2626 hard chalk
2709 gummy chalk
2886 hard chalk, streaks shale.
2914 hard chalk
2938 sand
2940 hard rock & shale
3025 sand, streaks shale
3030 hard sand with lime
3198 soft sand with streaks shale

Joe Modisette, et al, (Union Producing Company), G. T. McCorvey No. 1
(No. 210 on map)—(Continued)

- 3316 sand streaks shale with lime shell
- 3328 hard lime
- 3341 sand & shale
- 3342 lime cap & gummy shale
- 3345 fine sand & shale
- 3380 fine sand & shale with streaks lime cap & few asphalt streaks
- 3410 sand, streaks shale.
- 3412 lime cap
- 3447 sand & shale with little ash
- 3510 sandy shale with streaks sand
- 3524 sand & shale
- 3583 sand & streaks red shale
- 3614 red, gummy shale
- 3635 sand
- 3644 red shale
- 3701 red, gummy shale
- 3724 sand, cored
- 3732 gummy shale
- 3745 sand
- 3780 red shale with streaks sand
- 3796 shale streaks sand
- 3830 sticky shale
- 3856 sticky shale & some sand
- 3905 red, gummy shale
- 3930 red shale & some gray shale
- 3981 sandy shale
- 4010 red, sticky shale
- 4020 sandy shale
- 4058 red, gummy shale
- 4096 sandy shale
- 4151 sticky shale with some sand
- 4158 lime rock
- 4167 black shale
- 4171 lime
- 4180 green sand
- 4201 black shale
- 4204 green sand, cored
- 4220 black shale
- 4228 black, sticky shale
- 4231 sandy shale
- 4265 sticky shale with some sand
- 4267 sandy shale
- 4290 black sandy shale
- 4305 black fossiliferous shale

Joe Modisette, et al, (Union Producing Company), G. T. McCorvey No. 1
(No. 210 on map)—(Continued)

- 4321 sandy shale
- 4337 gummy shale
- 4360 sandy shale
- 4515 black shale with streaks sand
- 4525 soft sand, cored
- 4611 sandy shale
- 4614 shale
- 4766 sandy shale, streaks red shale
- 4770 hard, crystalline sand
- 4787 gray shale, streaks dark red shale
- 4822 red shale & streaks sandy shale
- 4880 red shale & streaks hard, sandy shale
- 4894 red shale & sand
- 4898 hard, crystalline sand
- 4910 red shale streaks sand
- 4940 red sandy shale
- 4960 red shale, streaks gray shale
- 4985 sandy shale
- 4995 red, sandy shale
- 5000 hard, crystalline sand
- 5032 hard, sandy shale
- 5050 red and gray sandy shale
- 5085 red, sandy shale
- 5114 red shale, streaks hard crystalline sand
- 5120 gray & brown shale
- 5140 gray sand streaks gray sandy shale
- 5182 gray sand and streaks sandy shale
- 5270 gray sand streaks gray & brown shale
- 5282 gray & brown shale
- 5287 sandy shale
- 5296 gummy red shale
- 5326 sandy shale
- 5370 brown & gray sandy shale
- 5723 red shale
- 5726 hard green water sand, cored
- 5880 hard shale
- 5890 gray lime
- 5898 green & red shale
- 5932 red gummy shale
- 5937 hard lime
- 6027 hard gummy shale
- 6091 hard shale streaks sand
- 6093 red crystalline sandy shale.
- 6128 red sandy shale streaks lime

Joe Modisette, et al, (Union Producing Company), G. T. McCorvey No. 1
(No. 210 on map)—(Continued)

- 6133 red sandy shale
- 6142 sandy lime
- 6181 red shale, lime streaks
- 6200 red cherty sandy shale streaks lime
- 6222 cherty sandy shale
- 6237 sandy shale
- 6241 chert & sandy shale
- 6346 red cherty sandy shale, streaks lime
- 6358 red cherty sandy shale & gray shale
- 6376 red shale streaks lime
- 6432 brown sandy shale streaks hard sand
- 6471 gray shale streaks sandy shale
skip in log from 6471' to 6513'
- 6513 brown shale
- 6568 brown sandy shale
- 6569 hard formation (unknown)?
- 6580 hard sand streaks shale
- 6600 red and gray sandy shale
- 6650 red sandy shale
- 6662 red shale
- 6710 red sandy shale
- 6755 red & gray shale
- 6782 red & gray shale
- 6790 red & gray shale
- 6814 red shale streaks lime
- 6894 red & gray sandy shale, with streaks lime
- 6915 red shale & chert
- 6938 red shale with streaks lime
- 6971 red cherty shale with streaks lime
- 6976 red shale
- 6988 red gummy shale
- 7002 red and gray shale with streaks lime
- 7020 gray shale with streaks lime
- 7032 gray shale & lime streaks
- 7052 hard sandy lime gray shale
- 7080 red shale & sandy lime
- 7120 red & gray shale with lime streaks
- 7145 red shale & streaks black shale
- 7164 red shale & streaks black shale
- 7180 black shale, streak sand
- 7192 black shale, streaks sand
- 7209 black shale & sandy red streaks
- 7220 black shale, sandy lime streaks red shale
- 7227 red & gray shale with lime streaks

Joe Modisette, et al, (Union Producing Company), G. T. McCorvey No. 1
(No. 210 on map)—(Continued)

7237 red sandy shale
7238 red sandy gravel
7253 red sandy shale
7270 red sandy shale streaks black shale
7290 red shale streaks sandy shale
7355 red and black shale, streaks sandy lime
7380 red & gray shale streaks lime
7440 red & black shale streaks red sandy shale
7485 red & black shale streaks red sandy shale
7502 red & gray shale streaks lime

SUMMARY:

Undifferentiated Claiborne	770-1008
Wilcox	1008-1385
Midway	1385-1877
Selma	1877-2914
Eutaw	2914-3510
Tuscaloosa	3510-4630
Possible Lower Cretaceous	4630-7520

REMARKS:

Modisette completed contract at 7520' on November 20, 1937.

Union Producing Company took well over and commenced deepening about April 1, 1940. After reaching a total depth of 9626' an unsuccessful attempt was made to run a string of 7" casing to about 7500' which stopped at 4038'.

The log from 7520' to 9626' is not available at present.

TOTAL DEPTH.—9626'

Trowbridge, et al, — ?? — ?? No. 1 (No. 211 on map)

Located: NW/4, Section 29, Twp. 9 N., Rge. 2 W., $\frac{3}{4}$ miles west of Bladen Springs.

Began:

Completed: 1884

Elevation: 105'

Casing Record: ??

0- 80 loose surface materials, varying slightly in color and texture

161 alternations of blue and sandy marl (clay) with indurated blue ledge
5' thick at base

Trowbridge, et al, — ?? — ?? No. 1 (No. 211 on map) (Continued)

- 184 soft, clayey marl
 - 209 green sand, with shells, 3' followed by 22' alternating hard and soft beds, the latter fossiliferous, water bearing
 - 255 marls and blue clay
 - 276 brown and blue marls (clays) in many alternations (lignitic)
 - 337 blue marls or clays with 2' of green sand at base
 - 361 lignite, 5', followed by 19' of brown, tough marl (clay)
 - 384 blue, sandy marl, with many varieties of shells; *Venericardia plani-*
 - 384 blue, sandy marl, with many varieties of shells: *Venericardia plani-*
costa recognized
 - 442 blue sandy marl (clay)
 - 479 brown and (clay) 3' with 32' blue marl below
 - 525 green sand marl, 9' followed by 37' of blue marl (clay) at 500' water was struck which flowed 10' above surface
 - 559 brown clay marl, 19', followed by 15' blue clay, with green sand containing shells
 - 609 brown marl, resembling soapstone, contains shells, stream of water near bottom which flowed 30' above surface
 - 624 gray, sandy marl, with shells
 - 688 gray, sandy marl, with shells, more clayey than preceeding
 - 759 very tough, blue marl (clay) at base of which a thin layer of white sand and then a thin layer of green sand
 - 779 brown marl (clay) 5', followed by alternating beds of clay and sand, mostly sand (first salt water)
 - 805 alternations of gray and brown sand, with marl (clay)
 - 818 tough, blue marl (big vein of salt water)
 - 832 sand and clay alternating
 - 860 a king of white limestone (?) containing mica, passing below into 3' of blue sandy marl containing shells
 - 888 blue marl (clay) 14', followed by 14' blue marl and sand, numerous shells
 - 912 marl 12', with streaks of sand, followed by brown sand and blue marl, 12'
 - 923 greenish rock, chalky above, hard below
 - 952 sandstone 4', followed by 25' quicksand, of white, blue and gray colors (strong stream of salt water)
 - 1089 marls of clays, mostly of grayish or light brown colors, with several ledges of extremely hard rock, one 2' thick at 966', one 1' and one 1' thick at 971', one 3" thick at 978', one 1' thick at 1000'.
 - 1190 tough black clay, 2', followed by 99' of dark blue clay, some of it quite hard and firm; some very soft and sticky
 - 1203 snuff colored clay, soft and sticky
 - 1220 gray sand and shells, 12' followed by 5' soft sandy clay
 - 1345 hard ledge 4" at top, below which 125' of moderately hard, grayish or blue rock, with scarcely any change in color or texture, to bottom of boring; no shells observed, rotten limestone, probably.
- TOTAL DEPTH

Robinson and Greer — Douglas Oil Company No. 1 (No. 212 on map)

Located: 320' north of center of Section 15, Twp. 9 N., Rge. 2 W.

Began: 8-8-1929

Completed: 10-20-1929

Elevation: 87.7'

Casing Record: 10" @ 319'
8" @ 2060'

- 0- 12 surface sand and clay
- 25 blue mire and gravel
- 65 blue mire
- 100 shale and gravel
- 167 hard sand
- 237 gummy shale
- 267 shale and gravel
- 273 no record
- 281 gumbo and gravel
- 283 hard blue rock
- 319 hard gumbo
- 356 tough gumbo
- 368 gumbo
- 370 sand rock
- 371 hard sand rock
- 372 hard rock
- 373 hard sand rock
- 374 blue water sand
- 375 rock, cored
- 376 hard sand rock
- 397 blue sand
- 407 gumbo
- 461 sand and shale
- 468 lignite and shale
- 469 sand rock
- 500 lignitic shale, cored 469-476
- 501 rock
- 505 sand, cored
- 506 sand rock
- 507 hard rock
- 511 sand, water cored
- 512 sand rock
- 535 lignite and shale
- 592 sand and shale, cored 535-539
- 602 tough lime, cored 585-592
- 621 sandy shale
- 622 hard rock
- 710 gummy shale, streaks of sand
- 730 gumbo, tough

Robinson and Greer — Douglas Oil Company No. 1 (No. 212 on map)
(Continued)

- 826 hard gummy shale, cored 730-735
- 874 hard gummy shale
- 886 firm gray sand
- 912 gummy shale, cored 874-881
- 960 gumbo and boulders
- 992 sandy shale, cored 960-967
- 1030 shale, streaks sand, cored 992-999
- 1036 gummy shale
- 1084 gray gummy shale
- 1084 gray gummy shale with thin streaks of sand, cored 1080-1091
- 1108 gray gummy shale, streaks sand
- 1118 green salt and pepper sand with lime, cored 1108-1114
- 1206 broken lime and hard sand, cored 1180-1187
- 1215 sand
- 1250 gummy shale
- 1252 hard sandy lime
- 1263 sand and shale, cored 1251-1258
- 1307 sandy shale
- 1326 gumbo and pyrites boulders
- 1497 gummy shale, streaks sandy shale
- 1498 hard sandy lime rock
- 1499 hard sand rock
- 1617 gray sandy shale, streaks of sand, cored 1499-1503 and 1577-1584
- 1764 gray sandy shale, streaks hard sand
- 1766 hard salt and pepper sand
- 1820 hard sandy shale and boulders, cored 1766-1773
- 2036 hard shale and boulders
- 2042 gummy lime
- 2046 sandy shale, cored 2042-2048
- Contact: last 2 feet Selma Chalk
- 2380 hard gummy chalk
- 2442 broken chalk, streaks hard black shale, cored 2414-2418
- 2505 chalk with streaks gray shale
- 2525 hard gummy chalk
- 2534 gummy chalk
- 2628 chalk rock, hard gummy streaks, run steel line to bottom of 8" casing
- 2726 chalk rock with hard gummy streaks
- 2825 gummy chalk
- 2829 broken chalk, cored 2829-2834
- 2925 chalk rock, streaks hard boulders
- 2964 hard chalk
- 3032 chalk rock
- 3062 broken chalk, streaks gummy shale, cored 3032-3039
- 3094 chalk, streaks gummy blue shale

Robinson and Greer — Douglas Oil Company No. 1 (No. 212 on map)

(Continued)

- 3100 hard chalk rock
- 3105 hard chalk
- 3159 hard chalky shale & boulders, gummy streaks
- 3167 gray shale
- 3169 sand, salty
- 3173 cored—green sand, streaks lime (Contact: Eutaw 3170')
- 3201 green salt water sand, (cored) reduced hole 3169' from 7 $\frac{7}{8}$ to 6 $\frac{1}{4}$
- 3229 green salt water sand (cored)
- 3246 green salt water sand
- 3249 hard sand (did not catch any of it)
- 3279 green said, hard streaks gray sand
- 3301 green sand, hard streaks gray sand (no core)
- 3309 green sand and gray shale
- 3330 gray and green sand with shale
- 3353 gray sand, thin streaks shale
- 3400 hard sand streaks shale
- 3408 sand and shale
- 3410 hard blue sand
- 3412 rock, thin streaks sand and lime
- 3436 green sand
- 3446 hard green sand
- 3456 green sand and shale
- 3466 gray sand
- 3470 green shale, salt and pepper sand
- 3490 green sand and gummy shale
- 3504 hard sand streaks, gummy shale
- 3506 hard sand rock
- 3512 green salt and pepper sand (cored)
- 3535 green sand, streaks hard shale
- 3545 tough gummy shale
- 3579 broken sandy lime, gummy streaks
- 3611 broken lime and hard shale
- 3636 broken lime and hard sand
- 3657 broken lime, streaks hard sandy shale
- 3683 hard and soft sand, streaks of lime
- 3713 broken lime and shale, streaks of sand
- 3724 broken chalk & shale, streaks of sand
- 3725 hard rock
- 3728 sand and salt (cored 3728-3740)
- 3741 sand with hard streaks
- 3743 tough red gumbo or red bed
- 3748 red gumbo and red shale
- 3795 red gumbo with streaks of shale
- 3821 hard red bed with gummy shale

Robinson and Greer — Douglas Oil Company No. 1 (No. 212 on map)

(Continued)

- 3823 hard sand
- 3833 hard white sand (cored 3823-3827)
- 3854 red shale with gummy streaks
- 3859 red gumbo
- 3870 hard gummy lime
- 3888 hard sandy shale
- 3893 hard sandy lime
- 3911 hard sandy black shale
- 3917 gummy lime
- 3963 shale
- 3976 tough gummy red bed
- 4028 hard red bed

TOTAL DEPTH

MARENGO COUNTY

Cates, Water Well

Located: Sec. 10, Twp. 15 W., Rge. 2 E.

Began: 1906

Completed: 1906

Elevation: ?

Casing Record: ? ?

0- 12 black clay

162 soapstone, black, with occasional sand ledges

1000 Selma chalk, limestone

1080 Eutaw formation, hard rock

1140 water bearing sands

TOTAL DEPTH

Gunnert Bros. Lbr. Co. (mill) — Water Well No. 1

Located: NE/4 Sec. 29, Twp. 15 N., Rge. 2 E. 2½ miles SE of Myrtlewood

Began: ? ?

Completed: 3-?-1920

Elevation: 270' (?)

Casing Record: ? ?

0- 12 soil

140 soapstone (clay)

180 soapstone (limestone)

220 soapstone (chalk)

450 soapstone (clay)

700 soapstone (chalk)

1055 soapstone, very sticky (chalk ?)

1099 hard white rock (chalk)

1225 soft soapstone (chalk)

1300 hard blue rock (chalk)

1375 blue shale (chalk ?)

1376 flint rock (gas)

1381 fine-grained sand (water)

1387 blue chalk

1388 hard rock

1407 sand and broken shells

1418 rock, very hard

1446 fine white sand (water)

1449 flint (bottom of well)

TOTAL DEPTH

SUMMARY:

Clayton	140- 180
Ripley-Selma	180-1375
Eutaw	1375-T.D.

Linden (Court House Water Well).

Located: Sec. 5, Twp. 15 N., Rge. 3 E.

Began: ??

Completed: ??

Elevation: 175'

Casing Record: ??

- 0- 7 clay
- 34 limestone, soft
- 58 quicksand
- 68 sand, blue
- 118 quicksand and mica
- 168 pure white sand
- 188 sand, blue
- 190 hard blue stone
- 322 soft shale, clay
- 501 light colored limestone
- 901 limestone, slaty and darker than preceding
- 1041 similar rock, but harder and ending in hard crust
- 1193 TOTAL DEPTH

WASHINGTON COUNTY

South Alabama Oil and Gas Co.—Wilson Estate No. A-1 (No. 214 on map)

Located: Just NW of Cen. of Fraction 'D', irregular Sec. 26, Twp. 7 N.,
Rge. 1 W.

Began: 8-24-32

Completed: 5-10-33

Elevation: 187'

Casing Record: 12½" @ 78'

- 0- 7 clay
- 65 lime rock
- 82 blue shale
- 190 black sandy shale
- 191 hard sand rock
- 202 black sandy shale
- 203 hard sand streaks
- 207 sand
- 209 hard sand
- 290 hard sandy shale, and shells
- 336 sandy shale
- 356 hard sand rock
- 360 green shale
- 392 brown shale
- 393 hard lime rock
- 456 sandy shale
- 478 shale
- 508 sticky shale from 508-512 little gas show in top CORED)
- 511 broken lime and shells
- 512 lime rock and shells
- 560 salt and pepper sand
- 588 lignite and sand
- 600 sand
- 640 shale
- 750 streaks of shale in sand and loose, pyrite
- 751 hard sandy lime rock (tested 19' of sand with outlaw tester)
- 755 sandy lime rock
- 774 sand
- 790 shale with few streaks sand and pyrite
- 843 shale
- 906 sandy shale (ran core barrel 5 times 843-870)
- 994'8" sandy shale brown, 4" lime rock
- 1000 brown sandy shale (ran core barrel 906-912, 912-922, 994-1000)
- 1063 brown sandy shale
- 1064 yellowish brown lime and sand rock
- 1066 sand
- 1120 gummy shale with few streaks sand (ran sand tester at 1066' tested dry)
- 1150 gumbo with few streaks sand, cored 4 times

South Alabama Oil and Gas Co.—Wilson Estate No. A-1 (No. 214 on map)
(Continued)

- 1173 shale and sand cored 1168-1173
- 1180 hard lime rock
- 1185 sand and shells; cored 1173-1178, 1178-81, 1181-85
- 1205 coarse green sand, cored 1178-1190; cored 3 times 1190-1205
- 1207 hard lime rock
- 1212 sand and shells, cored 1207-1212
- 1220 brown gummy shale
- 1290 sandy shale
- 1292 black lime rock
- 1299 brown coarse sand
- 1301 black lime and lignite, cored 1207-1301
- 1305 lignite and sand
- 1311 sand and shale, cored 1305-1311, ran sand tester 1290-1311, failed to get test.
- 1315 sand and shale
- 1433 sticky shale
- 1435 sandy shale (ran sand tester 1290-1435 salt water and little show gas.)
- 1441 shale and sand, cored 1435-1441
- 1492 shale and sand, cored 1492-1498
- 1574 sand and shale, cored 1552-1558
- 1581 shale and sand, cored 1574-1581, ran sand tester 1420-1581 tested dry
- 1652 sticky shale
- 1653 crystallized lime rock
- 1706 shale and sand
- 1813 shale and streaks sand
- 1860 shale and streaks sand, cored 1813-1820
- 1875 green chalky shale
- 1894 sticky shale
- 1896 chalk rock
- 1900 shale
- 1945 sticky shale
- 1946 chalk rock
- 1975 sticky shale
- 1992 black shale, cored 1986-1992
- 2008 black shale
- 2115 gray sticky shale, cored 2030-2035
- 2171 grayish white sticky shale
- 2242 soft chalk
- 2330 hard chalk
- 2430 soft chalk
- 2480 brittle chalk
- 2520 chalk rock
- 2540 soft chalk
- 2550 hard chalk

South Alabama Oil and Gas Co.—Wilson Estate No. A-1 (No. 214 on map)
(Continued)

2560	soft chalk
2570	hard chalk
2571	sand, cored 1'
2598	brittle dark shale
2640	hard chalk
2650	soft chalk
2662	hard chalk
2675	medium hard chalk
2676	sand
2691	dark brittle shale
2720	hard chalk
2748	soft chalk
2785	dark brittle shale
2795	soft chalk
2805	streaks of chalk and brittle dark shale
2821	greenish gray limey chalk, fine sand, small boulders of dark brown crystallized lime rock
2900	large crystallized lime rock boulders, greenish gray limey chalk mixed with fine sand, cored
2937	large boulders dark brown lime rock, limey chalk and sand
2943	hard crystallized dark brown lime rock
2959	loose sand, cored
3240	gumbo
3305	hard lime rock
3330	sand rock
3335	sand, gas blew out over derrick
3340	hard sand rock
3425	red rock
3470	water sand
3480	blue shale
3550	sticky shale
3590	black shale

TOTAL DEPTH

Arkansas Fuel Oil Company — McClure Pine No. 1 (No. 217 on map)

Located: 30' S. & E. from NW/c. of NE/4 Sec. 4, Twp. 5 N., Rge. 2 W.

Began: 1-3-37

Completed: 2-18-1937

Elevation: 158'

Casing Record: 15½" @ 200'
10" @ 1469'

- 0- 50 surface sand
- 169 clay and sand
- 199 white clay
- 215 clay
- 216 shale
- 245 sand
- 265 lime
- 275 lime
- 375 sandy shale with streaks of lignite
- 380 hard lime
- 408 lime
- 470 chalk
- 496 lime
- 508 clay
- 548 lime
- 575 sand
- 632 shale and lime shells
- 680 lime
- 730 sand
- 780 sticky shale
- 825 soft lime
- 850 soft lime
- 870 hard lime
- 965 shale and streaks lime
- 994 shale and lime streaks
- 1060 hard lime
- 1094 soft lime
- 1118 sand
- 1209 shale, green
- 1220 shale
- 1299 shale and streaks hard sand
- 1467 sandy shale
- 1469 shale
- 1471 rock
- 1473 sand
- 1409 sand and shale (core)
- 1520 shale and lignite
- 1530 shale
- 1560 shale and shells

Arkansas Fuel Oil Company — McClure Pine No. 1 (No. 217 on map)
(Continued)

1595 shale, shells and streaks lignite
1610 shale and lignite
1630 lignite
1760 shale
1763 shells, hard
1768 sand
1773 soft sand (core)
1779 sand and shale (core)
1790 sandy shale
1910 shale and shells
1943 shale and lignite
1945 shells
2038 sandy shale and shells
2095 shale, soft
2096 lime, hard
2130 shale, soft
2131 sand, hard
2137 sand
2150 sandy shale
2221 shale
2222 rock
2330 shale, sticky
2367 shale
2368 sand and pyrite
2413 shale
2414 hard sand
2417 broken sand
2423 sandy shale
2426 shale and lignite (cored)
2429 sandy shale (cored)
2498 soft shale
2500 rock
2501 sand (cored)
2504 sandy gray shale (cored)
2533 gray sandy shale
2560 gray shale and fossils
2600 brown shale
2646 hard gray shale
2665 sticky gray shale
2781 sticky shale
2782 lime
2785 shale
2788 shale and gray lime
2796 hard gray lime

Arkansas Fuel Oil Company — McClure Pine No. 1 (No. 217 on map)
(Continued)

2805	shale and gray lime
2808	hard gray lime
2840	sand and shale, gray
2885	sandy gray shale
2889	sandy lime
2892	sand
2897	green sand (cored)
2910	green sand with hard streaks
2926	green sand with shells
2931	green sand (cored)
2945	hard green sand
2951	hard green sand
2959	sand, black shale
2988	hard sand
2993	soft white sand (cored)
3008	white sand
3014	gray sandy shale
3016	white shell
3023	sand and shale
3044	gray shale
3056	sticky shale, gray
3097	sticky shale
3099	rock
3105	gray sand
3134	sandy shale, gray
3139	hard sandy lime
3197	gray shale
3227	lignite
3235	lignite and shale
3248	gray shale and lignite, black
3251	hard white sandy lime
3293	blue sand
3314	sandy gray shale
3316	white shell
3330	gray sand and shale
3387	sandy shale and shells, gray
3392	shells and sand
3402	sand and shale
3479	sandy shale, gray
3498	black shale
3563	black sticky shale
3639	sticky shale, black
3640	white shell

Arkansas Fuel Oil Company — McClure Pine No. 1 (No. 217 on map)
(Continued)

3659	sand, shale and sand, black
3740	shale and shells, black
3753	black sticky shale
3754	shell
3810	black shale
3910	hard black shale
3936	black shale
3966	soft lime and shale
3985	hard shale and streaks lime
3989	soft shale
3998	hard shale and lime
4014	black and hard shale
4016	hard lime
4047	hard black shale
4064	hard white lime
4081	hard lime and shale
4559	white limestone
4612	white lime and streaks shale
4633	white lime and gray shale
4651	white lime
4809	hard white limestone
4812	sand and shale
4818	hard lime (cored)
4837	hard white lime
4877	white lime
4905	hard white lime
4922	white lime
4940	white lime, streaks shale
4983	lime, white and gray
5121	white limestone
5166	lime and shale white and gray
5185	white lime
5207	brown and gray limestone
5278	white lime
5295	shale and lime, white and gray
5308	white lime
5314	lime
5340	white lime
5376	hard shale and streaks lime, white and gray
5396	white lime and streaks gray lime
5440	white and gray lime
5468	shale and lime, white and gray
5504	shale and streaks gray lime
5522	shale

Arkansas Fuel Oil Company — McClure Pine No. 1 (No. 217 on map)
(Continued)

5527	sand
5530	sand (cored)
5535	sand (cored)
5552	sand
5555	shale
5589	sand and streaks shale and lime
5617	sand
5619	shale
5635	sand
5657	sandy shale
5690	shale
5696	sandy lime
5700	sandy lime (cored)
5705	hard sandy lime (cored)
5708	sandy lime
5714	hard sand
5722	sandy lime
5731	green sand
5757	sand, hard and green
5775	gray sand
5780	gray shale
5848	gray sand
5858	lime, streaks shale
5860	hard white lime
5862	hard sand
5868	soft sand (cored)
5880	gray sand
5887	brown and gray shale
5891	hard sand, light gray
5905	sand and hard streaks gray shale
5909	shale
5916	sand and streaks shale
5936	red beds
5988	red shale
6009	gray sand
6018	red shale
6028	gray sand
6045	red shale
6052	red sandy shale
6053	shell
6063	sand
6072	shale
6112	red shale

TOTAL DEPTH

Arkansas Fuel Oil Company — McClure Pine No. 1 (No. 217 on map)
(Continued)

SUMMARY:

Miocene	0- 245
Oligocene	245- 496
Jackson	496- 660
Claiborne	660-1436
Tallahatta (1148-1436)	
Wilcox	1436-3483
Midway	3483-4060
Selma	4060-5522
Eutaw	5522-5862
Tuscaloosa	5862-T.D.

Texon Drilling Company—Stallworth Naval Stores No. 1 (No. 218 on map)

Located: 115' N. 63 deg. E. of Danciger Oil and Refining Co's R. C. Avent
and Sons No. 1 Well. Sec. 25, Twp. 5 N., Rge. 4 W.

Began: 8-25-39

Completed: 11-3-39

Elevation: 249'

Casing Record: 12" @ 155'

0-	36	surface sand and clay
	42	hard sand rock
	96	sandy clay
	135	sand
	139	sand
	146	sticky shale
	153	shale and sand streaks
	367	sand and clay
	500	shale, sand and gravel
	556	shale, sticky sand and gravel
	596	shale, boulders and sand streaks
	634	sand
	685	shale sticky and sand streaks
	710	sand, hard boulders
	760	sand hard streaks
	815	shale sandy streaks
	870	shale hard streaks sand
	873	hard sand
	890	shale hard streaks
	936	shale hard sand streaks
	952	sand hard

Texon Drilling Company—Stallworth Naval Stores No. 1 (No. 218 on map)
(Continued)

1038	shale, sticky and hard sand streaks
1044	sand
1079	shale, sticky
1090	shale, sticky
1101	hard sand
1160	shale, boulders and hard sand streaks
1174	hard lime and shale
1196	sand
1266	shale, sand streaks
1294	sand and gravel
1320	sand
1352	sticky shale
1412	shale hard sand streaks
1477	sticky shale
1436	sticky shale
1510	shale hard sand streaks
1531	hard sandy shale
1600	hard sandy shale hard streaks
1615	sticky shale
1630	sand hard streaks and streaks sandy shale
1708	sandy shale streaks hard sand
1768	hard sand and shale
1824	shale and sand streaks
1832	hard sand
1860	sticky shale
1890	shale hard sand streaks
1906	sandy shale hard sand
1909	sand rock
1947	sandy shale
1980	sand hard streaks of shale
2056	shale and sandy streaks shale
2060	lime rock
2079	sandy shale
2096	sticky shale
2103	sand
2174	sand
2180	sand
2224	shale, sandy shale and hard sand streaks
2270	sticky shale
2298	shale hard sand streaks
2307	hard sand
2322	sticky shale
2380	sandy shale
2405	shale

Texon Drilling Company—Stallworth Naval Stores No. 1 (No. 218 on map)
(Continued)

2430	shale
2444	shale and sandy shale streaks
2447	rock
2478	shale
2490	hard lime
2540	shale, lime streaks
2548	hard lime
2630	shale lime
2650	sandy shale hard sand streaks
2706	hard shale and lime
2769	sticky shale and hard streaks
2833	sticky shale
2890	sticky shale
2942	sticky shale, sandy shale streaks
2962	sticky shale sandy shale streaks
2992	shale hard, sandy shale streaks
2997	hard sand
3006	sandy shale
3008	sand
3020	sand shale streaks sand
3042	shale sticky
3046	sandy shale
3080	brittle shale
3086	sticky shale
3119	sandy shale
3132	hard shale
3245	hard shale streaks hard sandy shale, pyrite
3281	hard shale, hard sandy shale streaks
3283	hard sandy shale
3308	sandy shale
3352	shale, sandy streaks
3396	shale, sandy streaks
3456	hard streaks lime and shale
3476	sand and sandy shale
3635	sandy shale and brittle shale
3688	hard shale and hard sand streaks
3705	sandy shale
3731	shale hard sand streaks
3756	shale and sand streaks
3763	sticky shale
3836	shale and sand streaks
3932	hard brittle shale and streaks shale and shells
3953	hard shale, streaks sandy shale and shells
3960	sand

Texon Drilling Company—Stallworth Naval Stores No. 1 (No. 218 on map)
(Continued)

- 3963 hard sandy lime
- 3973 sandy shale, sandy lime streaks
- 3983 hard rock
- 4060 hard sandy shale, streaks hard lime
- 4068 sand
- 4090 sandy shale, hard sand streaks
- 4162 hard shale
- 4204 hard shale
- 4224 sticky shale
- 4250 hard shale and streaks hard sand
- 4289 shale with hard streaks sandy pyrites
- 4337 shale and hard streaks sand
- 4376 hard sandy shale with hard streaks
- 4393 hard sandy shale with hard streaks
- 4469 sticky shale streaks, brittle shale
- 4471 hard lime
- 4518 sticky shale, lime streaks
- 4532 sand
- 4561 hard shale, sandy shale streaks
- 4593 hard shale, and sand streaks
- 4597 limey shale
- 4704 hard shale, hard streaks
- 4716 hard shale
- 4729 hard lime and chalk
- 4779 hard shale and lime
- 4783 hard shaly lime streaks, pyrite
- 4787 hard shale and lime, hard
- 4797 hard shale and lime
- 4800 shale and lime
- 4807 hard chalk and lime
- 4814 shale and lime and chalk
- 4816 chalk
- 4837 chalk and lime
- 4850 shale and lime, hard
- 4855 shale and lime
- 4860 hard shale
- 4863 sticky shale
- 4871 shale and lime, hard
- 4874 hard shale
- 4878 hard shale and chalk
- 4883 hard shale and chlk. hard
- 4896 sticky shale
- 4914 chalk and shale, hard
- 4919 chalk and shale, chalk streaks

Texon Drilling Company—Stallworth Naval Stores No. 1 (No. 218 on map)
(Continued)

4924	chalk and shale
4929	chalk and shale, hard
4934	chalk and shale and sand trace
4939	chalk and shale, salty
4949	chalk and shale, hard
4954	shale and chalk
4974	chalk and shale, hard
4979	chalk and streaks of shale
4984	chalk and shale, hard
4999	chalk and shale, streaks
5004	chalk and shale, hard
5025	chalk and shale
5078	chalk and shale, streaks
5114	chalk and shale, hard
5130	chalk and shale
5355	chalk and shale, hard
5358	shale and chalk, hard
5377	chalk and shale
5510	chalk and shale, hard

TOTAL DEPTH

Danciger Oil and Refining Company — R. C. Avent No. 1 (No. 219 on map)

Located: 281' N 75 deg. W of Cen. of NE/4 SW/4 Sec. 25, Twp. 5N, Rge. 4W.

Began: 11-2-1933

Completed: 1-19-1934

Elevation: 248'

Casing Record: 20" @ 58'
12½" @ 960'

0-	24	surface sand
	28	surface clay
	73	sandy clay
	97	sandy clay
	110	sand and gravel
	175	sandy shale
	178	lignite
	195	water sand
	203	sticky shale
	238	sticky shale (yellow)
	246	sandy shale (blue)
	260	sticky shale (blue)

Danciger Oil and Refining Company — R. C. Avent No. 1 (No. 219 on map)
(Continued)

268	shale (blue)
276	sand (gray) core No. 1 268-288' recovery light gray sand and gumbo
344	broken shale
349	sticky shale (blue and red) core No. 2 348-366' 18" recovery at top light green tough gumbo
370	sticky shale (light green)
403	sandy shale (light green)
409	sticky shale
421	broken sand and shale
461	sandy shale
474	tough sticky shale
515	shale with streaks of sand
544	sticky shale with streaks of sand (light green core No. 3, 4' recovery 537-553')
562	sandy shale (light green)
590	shale with shells (blue and green) core No. 4 570-590, 5' recovery limey sand and shale with fossils
625	sand, shale and lime with shells (hard)
641	hard sandy shale lime shells
642	hard lime, white
668	sticky shale and shells, blue
671	very hard lime with shells
672-710	very hard lime, black shale broken over 2'
671-672	hard gray sand
721	green shale and sand
823	gray sand, soft
825	gray lime
828	green shale
829	lime
834	hard lime rock
855	blue shale and lime shells
920	sandy shale and lime shells
935	tough sticky shale (corrected steel line measurement 963')
1043	sticky shale, blue
1058	sandy shale
1075	sticky shale
1090	sticky shale blue
1161	gray shale and lime shells
1162	hard lime gray
1225	soft gray sand
1256	blue sticky shale and shells
1263	(correction)
1260	green sticky shale

Danciger Oil and Refining Company — R. C. Avent No. 1 (No. 219 on map)
(Continued)

1263	sandy lime
1275	sandy shale and shells cored 1263-1269, recovery 6'
1337	sticky shale (slight gas odor ?)
1364	blue sticky shale
1432	sandy shale and shells, blue and gray
1540	blue sticky shale
1627	gray shale and shells
1642	blue sticky shale
1671	blue sandy shale
1694	gray sandy shale and lime shells streaks
1724	blue sticky shale and streaks shells
1740	gray and brown hard shale
1744	gray hard sandy lime
1750	hard lime and sandy shale, cored 1744-1750, recovered 6' very hard lime at top then hard sandy shale
1763	blue sandy shale
1800	gray sandy shale
1801	gray lime shells
1896	blue sticky shale
1964	sticky shale and shells
1987	blue, sticky shale and shells
2003	sandy shale
2101	shale sticky streaks
2120	blue sticky shale
2123	very hard lime
2158	gray sandy shale, cored 2123-2129 recovered 6', dark gray to dark green shaly sand with mica, some fossils
2160	very hard sandy lime
2165	very hard lime, sandy, micaceous, quartzitic
2166	brown sticky shale, sandy
2177	dark gray sand and shale, cored 2166-2177' recovered, dark gray sand and shale with hard sandy lime at bottom
2180	hard sandy lime
2200	gray sandy shale
2266	green sticky shale
2269	hard gray sandy lime
2276	gray sticky shale
2340	green sticky shale
2347	blue and green sticky shale
2357	gray shale and shells
2358	very hard gray lime
2383	green shale
2417	brown sandy shale
2440	gray shale

Danciger Oil and Refining Company — R. C. Avent No. 1 (No. 219 on map)
(Continued)

2456	gray sticky shale
2457	very hard gray lime
2477	green sticky shale
2478	very hard gray lime
2520	blue sticky shale
2521	very hard gray lime
2588	very sticky bluish shale
2766	gray sticky shale
2767	lime shells
2859	gray sticky shale
2971	hard shale with streaks sticky, gray and brown
2979	hard gray shale
2981	hard lime shells, gray
2990	brown shale
2992	gray lime shells
2994	gray and green shale (corrected S. L. M. 3014'7")
3018	sticky shale, sandy shale streaks, cored 3014'7"-3020', recovery 5'5", top sandy shale, hard, containing mica pyrite and fossils shells
3048	hard shale with sticky streaks
3148	hard brown and sticky shale
3162	sticky shale
3243	tough brown sticky shale
3246	gray lime
3251	sticky shale
3352	greenish gray sticky shale
3420	brown and green sticky shale
3432	greenish gray sticky shale
3434	hard gray lime
3427	hard brownish green sandy shale, cored 3437-3439, recovered 2'
3439	bluish green hard sandy shale with mica, few fossils
3451	bluish green hard sandy shale with mica few fossils, cored 3454-3457 rec. 3'
3462	hard to soft sandy shale, bluish gray
3480	blue sandy shale, cored 3480-3483, rec. 3'
3483	hard gray sandy shale
3523	gray sandy shale
3549	sandy shale and shells, gray and green
3551	hard lime, very hard
3553	hard lime, very hard, cored 3555-3558'
3603	shale, blue and gray with sticky streaks
3659	hard shale with sticky streaks
3660	lime, shells
3684	sticky shale, blue
3685	lime, shells

Danciger Oil and Refining Company — R. C. Avent No. 1 (No. 219 on map)
(Continued)

3717	shale with sticky streaks green and blue
3729	sticky shale, green
3730	lime shells
3744	sand gray, cored 3730-3733
3771	sandy shale, gray and black
3776	lignite, black, cored 3771-3774
3784	sand, gray, cored 3778-3781
3817	shale brown
3819	lime hard, gray
3828	sticky shale brown
3835	sticky shale and thin streaks of sand, brown, cored 3829-3831½'
3841	sandy shale, brown
3844	lime rock, very hard, gray
3848	sandy gray, cored 3845-3848
3887	sandy shale, sand, streaks with sticky shale green and gray
3936	sticky shale, green
3940	sandy shale, green
3942	sandy shale, greenish gray
3948	black poker chip shale, cored 3943-3946
3976	sandy shale, brown
3998	sticky shale, brown
4003	sandy shale, brown, cored 3999½-4002'
4008	sandy shale, micaceous, gray, cored 4005-4008
4042	tough sticky shale, dark gray
4049	shaly sand with sticky streaks, cored 4042-4045
4116	shale with sticky shale streaks, brown and gray
4143	sticky shale, green
4150	mucky shale
4156	sandy limestone, very hard greenish gray
4168	black poker chip shale, hard cored 4156-4158
4196	hard shale, dark gray
4209	hard shale with thin shells
4324	hard shale with sticky streaks, cored 4302-4305
4326	hard lime, gray
4341	hard shale, gray
4362	sticky shale very tough
4378	hard shale with sticky streaks, brown
4380	hard lime, gray
4416	hard brown shale (corrected S. L. M. 4411')
4427	hard shale sticky streaks, gray cored 4411-4414
4429	hard lime, gray
4451	sticky shale with little fine sand to green, cored 4429-4432
4474	sticky shale, grayish green, cored 4456-4458
4477	very hard sandy limestone, greenish gray

Danciger Oil and Refining Company — R. C. Avent No. 1 (No. 219 on map)
(Continued)

4480	hard shale, brown
4524	hard shale, brown and gray
4527	hard sandy lime, gray
4531	hard shale, brown
4573	sticky shale, brown
4599	hard shale, brown
4601	hard lime gray
4617	hard sandy shale, gray, cored 4614-4617'
4629	hard shale, tough gray
4631	sandy lime, hard gray
4636	hard shale, tough gray
4647	sticky shale, gray
4661	dark steel gray poker chip shale, very hard with breaks of chalk
4670	dark steel gray poker chip shale, hard, cored 4662-4664
4671	sandy lime, gray
4693	dark steel gray poker chip shale, very hard
4746	hard shale, black, cored 4746-4749
4752	hard steel gray shale, cored 4750-4753
4760	white chalk, very hard, continuous coring
4780	white chalk, cored 4762-4765
4811	broken chalk, very hard with little black shale, cored 4813-4842
4865	broken chalk with little shale, cored 4842-4865

TOTAL DEPTH

SUMMARY:

Miocene	0-806
Oligocene	806-900
Jackson	900-1140
Claiborne	1140-1850
Wilcox	1850-3943
Midway	3943-4760
Selma	4760-T.D.

MONROE COUNTY

Beatrice Oil Company — Ivey No. 1 (No. 223 on map)

Located: 230'W and 200'N of SE/Cor. of Sec. 24, T 9 N, R 8 E

Began: 2-12-1926

Completed: 3-29-26

Elevation: 339.3'

Casing Record: 10" @ 195'-6"

- 0- 10 surface
- 15 clay, sandy
- 25 blue water sand
- 95 marl
- 121 marls and hard gray shales
- 124 rock, hard
- 255 shale, hard, blue
- 260 sand and lignite
- 283 shale, blue
- 303 shale, hard, sandy
- 325 shale and streaks of lime
- 347 shale and boulders
- 361 sand, salt and pepper sand, water
- 362 sand rock, hard
- 365 greensand
- 369 sandrock
- 398 sand, hard and shells
- 470 greensand and shells
- 542 shale, gray
- 586 sand, coarse, green and shells
- 603 shale, sandy and boulders
- 606 sandy rock
- 687 sand, blue and shells
- 753 sand, fine, gray
- 800 shale, sandy and shells
- 865 shale, gray and shells
- 872 shale, and streaks of chalk
- 899 shale, gray and boulders
- 940 shale, gray and very hard
- 1006 shale, gray and boulders
- 1035 shale, sandy, boulders
- 1125 shale, gummy and streaks of chalk
- 1135 chalk, soft sandy shale, cored at 1135'
- 1235 chalk, soft, gummy shale
- 1270 shale, gummy and chalk
- 1292 shale, streaks hard chalk
- 1352 shale and sandy chalk
- 1439 shale, hard gummy and streaks of chalk
- 1500 shale, gummy and chalk
- 1520 shale, blue, hard

Beatrice Oil Company — Ivey No. 1 (No. 223 on map)
(Continued)

1576	shale, hard, gummy
1600	shale, blue, and boulders
1697	shale, gummy and streaks of soft chalk
1721	shale, hard, and boulders
1751	shale, soft, gummy
1772	shale, hard, streaked chalk
1780	chalk, soft, gummy
1805	chalk, sandy, cored at 1780'
1865	chalk, soft
1878	chalk, hard
1917	shale, black
1989	chalk, soft
2080	chalk, soft, hard streaks
2110	chalk, soft
2158	shale and chalk
2240	shale, hard, sandy, cored at 2177'
2255	gumbo, tough
2298	shale, hard, gummy
2301	hard gray rock, cored at 2299'
2338	shale, brown, sandy
2350	greensand
2352	sand, very hard
2369	shale, brown, sandy
2373	sand, hard
2404	shale, brown, sandy
2433	greensand, very hard
2435	sand rock
2485	greensand, hard
2486	sand rock
2530	hard greensand
2531	sand rock
2590	hard greensand, cored at 2546'
2610	gumbo, chalky
2652	sand, hard, and shale
2689	water sand, lignitic, cored at 2677'
2732	sand, hard
2780	shale, hard, sandy and chalk
2836	sand, hard, gray, water
2855	sand, hard, gray
2872	shale, red, gummy
2912	shale, hard, blue, sandy, cored at 2898'
2924	shale, gummy
3006	shale, hard, streaked sand, steel line measurement at 2974 and 3006'

TOTAL DEPTH

Beatrice Oil Company — Ivey No. 1 (No. 223 on map)
(Continued)

SUMMARY:

Wilcox	0- 398
Midway	398- 687
Ripley-Selma	687-2158
Eutaw	2158-2689
Tuscaloosa	2689- TD

Jaggers Oil Company, Inc. — D. C. Garrett No. 1 (No. 224 on map)

Located: NE/4 of NW/4, Sec. 17, T 9 N, R 11 E

Began: 7-4-1927

Completed: 9-28-1927

Elevation: 360'

Casing Record: ?

0-	6	surface clay
	35	hard blue shale
	41	hard shale
	130	hard shale with streaks of sand
	160	gummy shale with shells
	220	packed sand and shale
	223	sand rock
	240	sand and shells
	242	sand rock
	265	sand and shells
	267	rock
	285	sand and shells
	295	shells and greensand
	313	gummy black shale
	320	hard sandy lime
	335	black gumbo
	345	greensand and shells
	435	black gummy shale
	540	gummy shale and gumbo, cored at 500'
	544	chalk
	573	hard chalky lime with soft shale and shell breaks, cored at 540'
	575	chalky lime
	652	black shale and gumbo
	654	hard lime and sand rock
	658	hard chalk and lime, cored at 658'
	702	chalk and broken shale
	718	chalk

Jaggers Oil Company, Inc. — D. C. Garrett No. 1 (No. 224 on map)
(Continued)

- 798 chalk, streaks of shale, cored at 795'
- 870 chalk and shale
- 895 chalk and shale, water sand
- 897 sand rock
- 919 sand and shells
- 922 sand rock
- 935 shale and sand, blue chalk and sand
- 940 sand and chalk, cored at 935'
- 960 sand and chalk, cored at 960'
- 1020 sand, shale and shells
- 1030 black gumbo
- 1050 gumbo
- 1100 hard black gumbo (shale)
- 1130 hard black gumbo
- 1170 gumbo very hard
- 1175 soapstone
- 1187 chalk and sand, cored at 1187'
- 1195 hard gumbo
- 1250 gumbo with streaks of chalk
- 1315 chalk and hard shale streaks
- 1323 chalk and hard shale, core at 1318'
- 1370 gumbo and shale, streaks of chalk
- 1410 gumbo and chalk, cored at 1410' —
- 1415 hard shale chalk and shells
- 1422 hard shale chalk and shells, cored at 1422' gas show
- 1500 soft shale and black hard shale
- 1570 hard chalk, streaks shale, show oil, under ether
- 1580 shale, streaks of chalk, cored at 1577'
- 1640 hard chalk and shale, cored at 1603'
- 1700 black shale and chalk, cored at 1700'
- 1752 sandy shale with chalk, cored at 1752'
- 1780 chalk and shale
- 1794 hard sticky shale with tough gumbo lying in streaks very blue—
core at 1794'
- 1825 hard shale with streaks gumbo
- 1870 hard shale and gumbo, cored at 1870'
- 1885 hard shale and gumbo
- 1888 sandy shale, showing oil
- 1905 hard shale and gumbo
- 1925 hard shale and gumbo
- 1932 hard shale, cored at 1927
- 2010 hard shale and gumbo, cored at 1967'
- 2033 hard shale, iron pyrites, streaks gummy, and boulders—cored at 1017'
- 2069 tough gumbo

Jaggers Oil Company, Inc. — D. C. Garrett No. 1 (No. 224 on map)

(Continued)

2071	greensand on top, dark gray sand with shells, cored 2070 and 2071'
2079	gray sand
2110	hard shale
2134	shale and sand
2136	rock, cored at 2135'
2138	greensand, soft, cored at 2136'
2146	greensand, soft
2168	gray sandy shale
2170	hard sand
2173	soft greensand, slight show oil, core at 2172'
2179	soft greensand
2195	gray sandy shale
2197	sand rock
2199	hard sand rock
2200	soft greensand, cored at 2200'
2306	sandy shale
2315	gumbo
2325	gummy shale
2327	sandy rock, hard, cored at 2327'
2328	sand, cored at 2328'
2331	cored
2368	sandy shale
2379	rock
2381	sand, cored at 2381'
2388	sand, green
2414	sandy shale and boulders
2416	rock
2493	quicksand, packed, gray
2515	quicksand, gray
2535	hard shale
2536	hard rock sand
2537	rock
2539	gumbo
2545	sand and shale, cored at 2545' Ran Johnston Tester; tested dry
2568	sand and shale with streaks oil, cored at 2561 and 2565'
2575	sand and gravel, salt water, cored at 2575'
2593	sands and small colored gravel
2630	sand, cored at 2610'
2635	gumbo
2640	sandy shale
2647	rock
2648	rock
2657	gray sand and shale, cored at 2657 and 2677'
2687	sandy shale

Jaggers Oil Company, Inc. — D. C. Garrett No. 1 (No. 224 on map)
(Continued)

2705	red gumbo
2712	sandy shale
2714	rock
2720	sandy lime and shale, cored at 2720'
2750	sandy shale
2770	soft white sand, water
2785	shale, sandy, blue and red
2800	sandy shale
2808	sandy shale
2812	hard shale, cored at 2812'
2840	hard shale and red gumbo
2890	hard shale and gumbo
2940	red shale and gumbo
2943	hard sand and shale
2950	soft shale, red, cored 2950-2960
2955	hard sand
2960	saft water sand, white
2975	water sand
2990	water sand
3012	gumbo and shale
3025	lime and sandy shale
3037	sand, water, core at 3032', light calcareous sand, with small flakes of mica
3053	sand and lime mixed, unknown, no samples
TOTAL DEPTH	

SUMMARY:

Midway	0- 335
Ripley-Selma	335-2069
Eutaw	2069-2569
Tuscaloosa	2569-TD

C. O. Jaggers — B. H. Stallworth No. 1 (No. 225 on map)

Located: NW/Cor. of SW/4 of NE/4, Sec. 36, T 10 N, R 10 E

Began: 11-13-1927

Completed 5-1-1928

Elevation: 400'

Casing Record: ?

0- 40	sand and black marl
120	hard shale
140	packed sand

C. O. Jagers — B. H. Stallworth No. 1 (No. 225 on map)

(Continued)

200	sandy shale
207	hard sand rock
267	sandy shale with shells
271	lime rock
283	hard shale and sand and shells
330	sand, water
345	gumbo
430	gummy shale
440	sandy chalk, hard
545	gummy shale and gumbo
550	chalk
560	hard sandy lime
631	broken sandy lime, very hard
690	hard lime and gummy shale breaks
725	hard lime shells and gumbo
755	lime, chalk and gummy shale
835	chalky gummy shale
840	hard chalk
842	sandy lime rock
844	sand, cored at 844'
872	white water sand
900	chalky lime shells and shale breaks, very hard
946	hard sandy lime with chalk breaks
1018	gummy shale, chalky streaks
1030	sandy lime
1040	gumbo
1075	tough gumbo
1120	tough gumbo mixed with chalk
1175	tough gumbo chalk streaks
1200	tough gumbo
1300	gumbo with hard shale breaks
1320	soft white shale
1400	hard gumbo
1425	mucky gumbo and pyrites and shells mixed
1500	white shale, pyrites and shells
1510	tough gumbo
1550	shale chalk pyrites and shell conglomerate
1600	hard chalk, tough streaks of gumbo
1644	hard chalk and tough gumbo
1752	hard chalk and shale
1800	hard chalk and gypsum
1860	hard chalk and gumbo
1905	chalk and shale
1925	tough gumbo

C. O. Jaggers — B. H. Stallworth No. 1 (No. 225 on map)

(Continued)

- 1960 shale
- 2014 hard sand and shells, good showing gas cored at 2004'
- 2033 greensand, salt water, cored at 2014'
- 2035 sand rock
- 2047 greensand and shells, cored at 2036'
- 2049 rock
- 2087 sandy shale and boulders
- 2093 rock
- 2140 sandy shale with shell caps, greensand on top
- 2143 rock
- 2152 greensand, salt water
- 2154 shale, sandy, last 4' gummy
- 2275 gummy shale
- 2288 gumbo
- 2290 rock
- 2342 gumbo
- 2345 hard sand, cored at 2342'
- 2347 sand rock
- 2360 soft sand gray, cored at 2347'. Slight show oil and salt water
- 2380 sandy shale
- 2381 rock
- 2385 quicksand, cored at 2381'
- 2420 hard packed sand with soft sand breaks
- 2447 hard packed sand
- 2467 sand, discolored
- 2475 tough gumbo
- 2477 soft rock
- 2485 coarse grained sand with gravel and lignite
- 2490 sand
- 2511 shale and gumbo
- 2513 rock
- 2545 sand, cored 2513-2518'
- 2548 hard sand
- 2552 sand and shale, cored at 2548'
- 2565 hard shale
- 2570 sand, gray with lime, cored at 2565', salt water
- 2576 gray sand
- 2587 sandy shale
- 2602 red gumbo
- 2604 hard sand
- 2606 sand and red gumbo, cored
- 2619 lime and sand, cored
- 2634 sand and red shale, cored
- 2645 red shale

C. O. Jagers — B. H. Stallworth No. 1 (No. 225 on map)
(Continued)

2670 gumbo and shale with sand streaks
2675 greensand, micaceous, salty, cored
2682 red shale
2710 sand
2737 gumbo
2755 hard sand
2767 soft sand
2770 hard sand

TOTAL DEPTH

SUMMARY:

Midway	0- 271
Ripley	271-1030
Selma	1030-2003
Eutaw	2003-2477
Tuscaloosa	2477- TD

CONECUH COUNTY

Ray L. Estabrook et al — T. R. Miller Lbr. Co. No. 1 (No. 226 on map)

Located: Center SW/4 of NW/4 of NE/4, Sec. 1, T 4 N, R 12 E

Began: 12-31-34

Completed: 2-18-35

Elevation: 186' (?)

Csg Record: 12-3/8" @ 60'
8" 1008'

- 0- 10 red clay
- 34 coarse sand
- 87 blue calcareous marl
- 91 lime rock
- 166 coarse gray sand with magnetite specks and coarse shells
- 186 sand and coarse shells with streaks of green shale
- 208 green shady shale with streaks of coarse shells
- 230 green shale with laminations of fine sand
- 252 green shady shale with streaks of shell
- 274 green shady shale with streaks of shell and streaks of thin black quartzite
- 296 green gray shady shale with streaks of hard sand and streaks of green shale and shells
- 318 green shady shale with streaks of quartzite
- 350 same
- 382 gray brown sand with black specks (magnetite) with streaks of quartzite
- 410 green micaceous shady shale with beds of quartzite
- 426 green micaceous sand and shady shale
- 450 fine green sand and sandy shale, micaceous
- 472 green micaceous sandy shale with streaks of hard sandstone and hard green siltstone
- 500 brown chocolate shale
- 570 gray shale sandy streaks and hard streaks
- 572 hard rock
- 741 gummy shale with thin sandy streaks
- 936 gray gummy shale with thin sandy streaks
- 1006 black shale
- 1008 hard white chalk—core 1
- 1013 hard white chalk—hole taped at 1013; steel tape
- 1022 hard white chalk—core 2
- 1022 hard white chalk
- 1038 hard white chalk with thin broken streaks. Showed gas on ditch last returns 18" from pit; fresh water flowed
- 1042 broken white chalk—core 3
- 1175 broken white chalk
- 1224 coarse white water sand; streaks of hard chalk
- 1268 gummy (gray ?) slightly sandy shale
- 1315 gray black gummy shale

Ray L. Estabrook et al — T. R. Miller Lbr. Co. No. 1 (No. 226 on map)
(Continued)

- 1319 lime rock
- 1324 gummy shale
- 1330 rock
- 1420 sandy shale, streaks lime rock
- 1500 gummy black shale
- 1675 hard black shale with gummy streaks
- 1776 black shale
- 1804 very gummy (chalk ?)
- 1806 core 4—very chalky, gray shale. Selma bugs
- 1905 hard and gummy chalk
- 1948 hard and gummy chalk . . .
- 1975 hd. & gummy chalk
- 2165 chalk
- 2230 chalk with streaks of gummy shale—core 6
- 2212 gray black shaly chalk
- 2585 gummy chalk with streaks of gummy shale
- 2588 core 7—softer chalk
- 2690 chalky shale
- 2693 core 8—chalk
- 2865 chalk
- 2880 chalky shale
- 2883 core 9—gray chalky shale
- 2903 gummy chalk
- 2904 core 10—green shale
- 2912 chalky shale
- 3002 gummy chalk
- 3067 gummy chalky shale
- 3132 gummy chalk and streaks of pyrite
- 3110 core 11—chalk
- 3154 gummy chalk
- 3155 core 12—chalky shale
- 3160 chalk
- 3162 core 13—greenish shale
- 3175 shale with streaks of gummy chalk
- 3212 gumbo
- 3256 very tough brown gummy clay—core 14 3232-3234'
- 3258 core 15—green sand
- 3285 green sand
- 3288 core 16—green sand with thin streaks of green shale
- 3299 same
- 3303 sandstone cap
- 3306 core 17—coarse gray green sand
- 3325 sand with streaks of shale
- 3342 sandy shale
- 3345 core 19—green micaceous hard sand with thin streaks of shale

Ray L. Estabrook et al — T. R. Miller Lbr. Co. No. 1 (No. 226 on map)
(Continued)

- 3391 sandy shale
- 3394 core 20—hard gray sand and gray shaley chalk embedded with shells
- 3409 hard gray sand
- 3410 core 21—green sand
- 3430 green sand
- 3439 sandy shale
- 3440 sandstone cap
- 3443 core 22—hard green sand.
- 3480 sand with streaks of shale
- 3502 gumbo
- 3504 hard sandstone cap
- 3507 core 23—hard sand
- 3546 soft shale streaks of sandy shale
- 3549 hard sandstone
- 3551 core 25—gray shale at top coarse white water sand
- 3562 gray sand
- 3595 sandy shale
- 3598 core 26—gray shale and mica
- 3622 gummy shale with thin streaks of sand
- 3625 core 27—red and white mottled shale and clay
- 3639 red shale
- 3645 (red ?) shale gummy streaks
- 3648 core 28—light gray slightly shaley sand
- 3660 sand
- 3681 shale
- 3683 core 29—coarse brown water sand
- 3701 sand
- 3718 shale and sandy shale
- 3721 core 30—coarse sand streaks gray green shale and lignite
- 3735 sand
- 3763 sandy shale
- 3777 gummy shale
- 3780 core 31—coarse gray micaceous sand and lignite
- 3805 sand and sandy shale
- 3882 gumbo
- 3884 core 32—shale and mica
- 3942 sandy shale and mica
- 3952 gummy shale
- 3955 core 33—green micaceous sand and lignite
- 3965 same
- 3980 sandy shale
- 3985 blue gummy shale
- 3987 core 34—blue shale
- 4010 blue shale streaks hard sand

Ray L. Estabrook et al — T. R. Miller Lbr. Co. No. 1 (No. 226 on map)
(Continued)

- 4022 shale
- 4062 gummy shale streaks hard sand
- 4105 gummy gray shale with thin streaks hard sand
- 4070 no record
- 4072 Core 35
- 4141 hard black gummy shale
- 4139 no record
- 4141 Core 36
- 4202 hard gummy gray shale
- 4210 hard black gummy shale
- 4215 gummy shale
- 4217 cap rock
- 4220 core 37—hard green sand
- 4250 same
- 4265 sand streaks shale
- 4287 gummy shale
- 4289 hard sandstone cap
- 4291 core 38—green sand
- 4310 same
- 4357 sandy shale
- 4360 core 39—sand
- 4368 sand
- 4387 gummy shale with sandy streaks
- 4390 core 40—coarse green sand
- 4410 hard sand
- 4422 gummy shale
- 4425 core 41. sand
- 4440 sand
- 4465 sandy shale and shale
- 4481 gummy shale
- 4483 core 42. sand
- 4505 sand
- 4519 gray shale
- 4522 Core 43. green sand
- 4564 hard sandy shale
- 4600 black, micaceous, carbonaceous—Core 44 at 4575
- 4622 red gummy shale
- 4626 Core 45. same
- 4632 same
- 4635 Core 46. red sandy shale
- 4648 red shale
- 4651 Core 47. nugget of cemented sandy shale and ash and red shale
- 4669 gummy red shale
- 4670 cap and sand

Ray L. Estabrook, et al — T. R. Miller Lbr. Co. No. 1 (No. 226 on map)
(Continued)

4672 Core 48. white coarse sand—salty
4685 sand
4687 Core 49. sand
4706 sand streaks shale
4731 gummy red shale
4733 coarse sand—core 50
4739 sand
4749 sandy shale
4751 sandy shale—core 51
4757 gummy red shale
4760 sand—core 52
4805 sand streaks shale
4831 gummy red shale
4833 coarse greenish sand, very salty—core 53

TOTAL DEPTH

ESCAMBIA COUNTY

Gulf Refining Company of Louisiana—H. D. Ewing et al No. 1 (No. 227 on map)

Located: 350' South and 300' East of NW/Cor., Sec. 9, T. 1 North, R. 5 East

Began: 4-4-1933

Completed: 4-22-1933

Elevation: 282'

Casing Record: 10" @ 101'-3"

- 0- 97 surface clay and sand
- 101 clay, soft
- 190 red clay, tough
- 415 sand and shale
- 500 shale, streaks sand and gravel
- 560 gumbo
- 573 sand and gravel
- 590 shale and sandy shale
- 600 gumbo
- 672 streaks shale and sand
- 681 sand and gravel
- 687 sand
- 730 chalk, sand and shale
- 865 lime, chalk and shale
- 868 sand
- 906 shale and gumbo
- 1130 chalk, lime and sandy chalk
- 1140 shale
- 1188 chalk
- 1243 shale
- 1337 sandy lime
- 1347 shale and chalk
- 1364 lime
- 1371 lime and sand
- 1386 lime, shale and shell
- 1404 shale and streaks sand
- 1482 sand and lime
- 1500 sand
- 1508 sand and lime
- 1515 sand

TOTAL DEPTH

Escambia Oil Company — State Line Land & Lumber Co. No. 1 (No. 228 on map)

Located: 330' W and 375' S of NE/Cor. of NE/4 of NW/4 of SW/4, Sec. 24, T. 1 N., R. 10 E.

Began: 4-27-1933

Completed: 10-12-1933

Elevation: 148'

Csg. Record: 12½" @ 347'

- 0- 20 surface clay
- 23 water sand
- 48 blue clay
- 70 white chalky clay
- 80 water sand
- 310 sandy clay and shale
- 330 water sand
- 331 limey shale and sand rock
- 350 black shale and sand rock
- 352 sandy lime
- 510 shale
- 560 sand
- 600 shale
- 630 shale and broken lime
- 686 hard broken lime and green shale
- 690 lime and shell
- 703 sandy shale and shells
- 735 brittle lime and sticky shale
- 790 shale, lime and shells
- 806 sand
- 810 sandy shale
- 907 hard sandy shale
- 934 hard sand and streaks of hard sand rock
- 970 broken lime and hard sandy shale
- 980 broken lime and shale
- 1020 shale and streaks of hard sand
- 1030 green quartz sand
- 1100 shale
- 1120 sand
- 1140 shale
- 1280 hard sand and sand shale
- 1310 hard sand
- 1330 sand shale
- 1355 sticky shale
- 1365 hard lime and shells
- 1430 black shale
- 1433 shells and sand rock
- 1490 sandy shale

Escambia Oil Company — State Line Land & Lumber Co. No. 1 (No. 228
on map)—(Continued)

- 1495 broken lime and hard sand
- 1590 black sandy shale
- 1595 shell
- 1730 sandy shale
- 1780 black sandy shale
- 1783 hard shell
- 2032 black sandy shale
- 2036 porous sand rock—good gas show
- 2048 sand
- 2070 sandy shale
- 2137 black shale
- 2139 sand
- 2220 sandy shale
- 2240 gummy shale and chalk
- 2257 hard chalk
- 2270 sandy lime and chalk
- 2293 sandy shale
- 2295 shell and sand rock
- 2485 hard sandy shale
- 2514 shale
- 2516 shell
- 2565 sandy shale
- 2570 sticky shale
- 2573 shell
- 2609 broken sandy shell
- 2620 shell and sandy rock (drill stem test)—good show gas
- 2622 sand
- 2662 shale
- 2706 sandy shale and shells
- 2720 shale
- 2759 sandy shale
- 2769 black streaks of shale and sand
- 2856 black shale
- 2859 sand
- 2910 shale
- 2912 porous sand rock (drill stem test—gas)
- 2960 sandy shale
- 2964 lime rock porous (drill stem test—gas)
- 2968 sand
- 3038 shale
- 3045 hard sand (drill stem test—excellent gas)
- 3115 sandy shale
- 3171 sticky shale
- 3173 porous sandstone (drill stem test—good show gas)

Escambia Oil Company — State Line Land & Lumber Co. No. 1 (No. 228 on map)—(Continued)

- 3192 chalk and sandy shale
- 3242 chalk
- 3250 chalk
- 3260 sandy shale
- 3270 sandy shale and chalk
- 3275 chalk
- 3280 shale
- 3290 chalk
- 3335 broken chalk and sticky shale
- 3375 broken chalk and hard shale
- 3455 broken chalk and shale
- 3475 sticky shale and gumbo
- 3505 tough gumbo
- 3558 chalk and shale
- 3578 hard sandy shale and chalk
- 3585 chalk and shale
- 3586 shell and hard sand rock
- 3593 hard sand, pyrite, and sand rock
- 3685 hard sandy shale
- 3690 sand and shale
- 3734 broken chalk and shale
- 3738 sand
- 3768 hard sandy shale and chalk
- 3795 sandy shale
- 3820 hard sandy shale
- 3845 chalk and hard sandy shale
- 3854 hard sandy lime and chalk
- 3965 sandy shale and chalk
- 3994 lime, chalk and hard sand
- 4065 limey chalk
- 4258 sandy shale and chalk
- 4259 sand, rock and shell
- 4570 sandy shale and chalk
- 4580 shale and sand rock
- 4670 sandy shale and chalk
- 4679 sandy shale and carbonaceous clay
- 4704 sandy shale
- 4709 shale
- 4716 shale and sand rock
- 4725 sandy shale
- 4785 sand and shale
- 5000 hard sand and shale
- 5016 sticky shale
- 5021 sand

Escambia Oil Company — State Line Land & Lumber Co. No. 1 (No. 228 on map)—(Continued)

5048 clear quartz sand
5050 shell and sand rock
5058 sand rock and sandy clay
5230 sandy shale
5232 sand rock
5340 sandy shale
5360 hard sand and shale
5368 sand rock and black carbonaceous shale
5387 carbonaceous shale and streaks of sand
5447 black carbonaceous shale
5453 sand rock and black shale
5600 hard sand and shale
5670 shale
5695 hard sand and shale
5706 sand rock and sand
5750 shale
5775 sand rock and shale
5800 shale
5924 hard sand and shale
5932 shell and sand rock
5962 hard sand
5973 sand rock and hard sand
5977 hard sand and pinkish clay
6025 hard sand and shale—bottom of hole

TOTAL DEPTH

Roberts Well — ?? No. 1 (No. 229 on map)

Located: In Sec. 5, T. 2 N., R. 12 E., 6 miles above Roberts, on bank of Conecuh River

Began: 1902

Completed: 1903

Elevation: 250' (est.)

Casing Record: ?

0- 22 sand
37 blue marl
39 fine white sand
60 gumbo
61 lime rock and shells
90 gumbo

Roberts Well — ?? No. 1 (No. 229 on map)—(Continued)

- 113 layers of shell rock and clay, blue, 1 or 2 in. thick; blue clay 1'; white shell rock—2½'; blue clay 2'; shell rock 5'; very hard flint rock, 6 in.; soft lime rock 2'; blue clay 2'
- 120 lime rock
- 126 hard lime rock, 18 in.; soft lime rock 2½'; hard lime rock 2'
- 234 lime rock, small show at about 150'
- 248 lime and sand shale (water)
- 317 sand rock
- 337 lime and sand (water)
- 347 hard sand rock (water)
- 353 black muck, green clay, lignite, trace oil, strong flow of water (3000 gal. per min.) threw 4" stream 65' into the air
- 363 lime rock, lignite, oily sand
- 365 shale
- 375 sandy shell rock
- 388 shell rock
- 401 sandy shale
- 413 soft, honeycombed lime rock
- 146 gumbo (sea sediment)
- 427 hard shell rock
- 441 soft sand rock, lignite
- 446 lignite
- 466 sand
- 480 soft lime rock, becoming harder
- 490 honeycombed lime rock, water
- 505 hard lime rock
- 506 blue marl
- 522 lime rock
- 524 soft lime
- 526 sand, strong flow of water, nearly as great as that at 350'
- 588 lime rock, sandy at times
- 600 sandy shale
- 629 lime rock, part shells
- 639 blue sand, shale
- 653 lime rock
- 698 sand and shale; at 675' good flow water
- 748 lime, rock, thin stratum coal last 30'
- 758 shell rock (cap rock)
- 764 sand rock, much mica
- 773 shell rock
- 813 hard slate
- 821 shell and lime rock
- 831 sand
- 911 shell and sand
- 912 pyrite

Roberts Well — ?? No. 1 (No. 229 on map)—(Continued)

923	blue marl
958	gumbo, some shells
960	chalk
968	gumbo
988	soft sand rock
992	sand rock
999	pyrite
1148	gumbo, streaks of shale
1154	dark clay
1158	hard lime rock, shells
1159	clay, like lime
1164	lime, shells, sand rock
1214	gumbo, some gas
1220	porous lime rock
1240	shale
1245	soft, porous black rock, oil sand
1290	dark shale
1305	dark green sand
1310	soft rock
1320	dark shale
1337	gumbo with shells
1350	soft sand rock
1355	dark shale
1360	shells, lime rock
1375	dark shale
1380	soft sand rock
1390	dark shale
1400	white clay
1410	soft sand rock, black specks
1422	sandy shale, black specks
1439	dark shale
1484	pyrites, shells, sand and rock mixed together, salt water flow 150 gal. per min.
1522	dark shale, hard streaks and some shells
1550	dark clay or gumbo
1553	hard flinty rock
1640	gumbo shale, some shells, salt water—about 200 gal. per min.

TOTAL DEPTH

SUMMARY:

Miocene	0- 60
Oligocene	60- 248
Eocene	248-1439
Cretaceous	1439-TD

COVINGTON COUNTY

Geometer Production Corporation—A. B. Culbreth No. 1 (No. 230 on map)

Located: SW/4 of SW/4 of NE/4, Sec. 8, T. 2 N., R. 14 E.

Began: 12-13-1934

Completed: 10-10-35

Elevation: 236'

Casing Record: 15½" @ 90'

- 0-1015 record missing
- 1016 sandy shale—cored
- 1067 sand shale
- 1068 hard shale—cored
- 1070 hard lime and shells
- 1071 lime—cored
- 1072 soft sand—cored
- 1082 shale—sandy
- 1122 sticky shale and boulders
- 1127 sandy shale
- 1164 sand and hard shale—cored
- 1165 sand
- 1167 shale—cored
- 1210 sticky shale
- 1321 sandy shale
- 1322 sandy shale—cored
- 1378 sticky shale
- 1379 shale—cored
- 1410 sticky shale
- 1412 soft sand—cored
- 1432 sandy shale
- 1434 soft sand—cored
- 1478 sandy shale
- 1498 soft sand—cored
- 1655 sandy shale
- 1687 sticky shale
- 1719 hard sandy shale
- 1910 chalk and shale
- 1930 sandy shale
- 1968 sticky shale
- 2038 chalk and hard shale
- 2093 sticky shale
- 2200 dark shale and shells
- 2510 chalk and chalky shale
- 2510-5358 record missing
- 5358 pulled 11⅞" rock bit, run in 47 stands with 9⅞" fish tail bit
- 5374 no record
- 5375 black shale and red shale

Geometer Production Corporation—A. B. Culbreth No. 1 (No. 230 on map)
(Continued)

5394-
5400 sticky shale
5403-
5405 hard sand
5418-
5420 red shale and some sand—cored—reported GAS
5475 hard red shale with sticky breaks
5511-
5528 sand—cored
5512-
5513 broken sand
5536-
5538 hard sand—cored
5552-
5556 hard sand—cored
5558-
5579 hand sand
5632 hard sand, brown, black, white
5657 hard white sand
5687 hard sand
5710 shale and sand—cored 5694-5695, white sand
5735-
5752 hard white sand and sticky shale
5772 sand and shale
5783 sand and red shale
5790-
5793 hard sand
5810-
5812 sand—cored
5818-
5839 shale and sand—cored 5835-5839
5878 red shale and sand
5900-
5923 hard sand
5938 sand and shale—cored 5936-5937
5950 hard sand
5954 sandy
5958 sand and shale
5980 hard sand
5996 sand and shale
6013 shale
6026 sand and shale
6040 sand and shale
6057 sand and shale

Geometer Production Corporation—A. B. Culbreth No. 1 (No. 230 on map)
(Continued)

6059	sticky shale
6085	sand and shale
6107-	
6109	sticky shale
6117	hard formation
6122	hard sand
6129	brown sand—cored, ran tested. Tested 8 joints mud
6166	sand and shale
6178	sand—cored
6197	sand and hard shale
6209	hard formation
6225	hard, sandy shale
6229-	
6244	sandy shale, streaks hard sand
6054	shale
6271-	
6290	shale and hard shale
6306	no record

TOTAL DEPTH

SUMMARY

Miocene	0- 125
Oligocene	125- 251
Jackson	251- 544
Claiborne	top- 622
Wilcox	top-1068
Midway	top-1860
Selma	top-2304
Eutaw	top-3840
Tuscaloosa	top-4893

PIKE COUNTY

Alabama Oil Development Company — Jacob Hill No. 1 (No. 231 on map)

Located: 1000' E of SW/c SE/4 Sec. 35, Twp. 8 N., Rge. 19 E.

Began: 5-22-1928

Completed: 8-18-1928

Elevation: 438'

Casing Record: ? ?

- 0- 13 surface clay
- 35 sand, black, worn
- 37 sand, rock, hard
- 47 sand, soft
- 163 shells, black sticky marl and sand
- 318 hard streaks, sandy lime, broken with sand and shale
- 360 hard rock composed of sand, chalk and shells
- 380 sand, hard, white and yellow, white grains and flat
- 415 sand, white and yellow, very hard
- 431 shale, black, blue, and sticky, with mica and chalk streaks
- 432 sand, hard, and chalk rocks
- 434 sand rock
- 476 sand, hard packed, large and small grains with hard streaks from 1 to 3 ft. with small pieces of blue and red shale mixed
- 487 sand, hard packed and hard sand rocks
- 585 shale, black gummy, and chalk boulders with mica pyrites
- 625 gumbo, tough
- 651 gumbo, tough, hard slate, mica
- 682 chalk, hard, broken
- 684 chalk
- 703 sand, soft
- 704 sand, hard, and lime rock
- 708 rock
- 786 chalk, hard, broken and coarse sand
- 862 very hard streaks of sandy chalk ranging from 6" to 3' thick, soft breaks of sand between blue and white grains. small broken shells and mica - - - 6 to 8'.
- 906 chalk and sand
- 909 sand rock
- 918 shale, sandy, black
- 920 rock
- 930 shale, gummy
- 940 shale, gummy
- 943 chalk rock, hard
- 985 chalk, sandy and gumbo
- 1028 sand, soft, and sandy chalk
- 1060 chalk and soft sand breaks
- 1136 shale, hard, chalky and gumbo
- 1156 gumbo, chalky
- 1200 gumbo, tough

Alabama Oil Development Company — Jacob Hill No. 1 (No. 231 on map)
(Continued)

- 1210 gumbo, tough
- 1280 gumbo
- 1290 shale, hard, mixed with chalk (core at 1286 to 1290)
- 1332 gumbo, tough
- 1425 chalk, hard shale and gumbo (core at 1390)
- 1445 gumbo, tough
- 1465 gumbo, tough
- 1490 shale, hard, gummy and chalk
- 1570 shale, hard and chalk
- 1585 shale, hard and chalk
- 1610 gumbo, tough
- 1640 gumbo, tough
- 1654 chalk, hard, very gummy
- 1700 shale, gummy, and chalk (core 1700')
- 1770 gumbo and hard streaks of chalk, broken
- 1800 shale, hard, white, chalky, and gumbo (core at 1800')
- 1920 shale, chalky and gumbo
- 1940 shale, chalky
- 1960 gumbo, tough
- 2095 gumbo, tough and chalk specks
- 2097 sand rock, soft (core)
- 2104 sand, soft, dry, green, gray sand with shale
- 2108 gumbo, sandy
- 2114 green sand, lignite (core at 2112 to 2115)
- 2126 green sand, mixed with lignite
- 2127 rock
- 2130 sand, soft (core 2130), gumbo
- 2142 green sand, and lignite (core at 2135)
- 2145 gumbo (core at 2150)
- 2163 sand, packed, gray with mica and lignite streaks (core at 2163)
- 2184 rock, sandy shale
- 2186 rock, hard
- 2187 shale, sandy (core)
- 2197 gumbo
- 2206 sand and shale (core)
- 2237 gumbo and shale
- 2240 sand, coarse, white (core)
- 2256 sand, white
- 2260 shale, red and sand (core at 2260)
- 2295 shale, red, and gumbo, with blue sand and vari-colored gravel mixed in
- 2320 gumbo, tough
- 2328 shale, hard
- 2329 rock

Alabama Oil Development Company — Jacob Hill No. 1 (No. 231 on map)
(Continued)

- 2335 sand, gray and blue, with red gravel (core)
- 2340 sand, gray and blue, with some blue shale
- 2352 gumbo, red
- 2353 rock
- 2355 sand, blue (core), green sand
- 2360 sand, blue, and shale
- 2377 shale and gumbo
- 2395 gumbo, tough
- 2410 gumbo
- 2433 blue coarse sand and red and crystal gravel (believe this to be Tuscaloosa)
- 2442 mixture of red, blue, pink and brown shales and gumbo
- 2445 blue sandy shale (core at 2445) green sand
- 2460 blue sandy shale
- 2517 gumbo (core at 2475) gray clay or shale
- 2550 gray sand (core)
- 2598 pink sand, white with red gravel (core)
- 2606 gumbo
- 2614 sandy shale with mica, sand gray, shale black (core)
- 2662 gumbo and shale
- 2665 sandy shale (core)
- 2685 streaks sandy gumbo (hit crystallines here at 2665 ft.)
- 2689 core of soft sand and shale mixed with decayed wood and shell (core at 2685 ft. mica schist (?))
- 2691 (core at 2691 ft., bottom of hole, graphite, mica schist)

TOTAL DEPTH

SUMMARY

Midway	0- 487
Clayton	487- 684
Ripley	684-1060
Selma	1060-2095
Eutaw	2095-2237
Tuscaloosa	2237-2665
Crystallines ?	2665-2691

Alabama Oil Development Company — Jacob Hill No. 2 (No. 232 on map)

Located: 1300' S. & 250' E. of NW/c. NE/4 of Sec. 36, Twp. 8 N., Rge. 19 E.

Began: 9-16-1928

Completed: 12-1-1928

Elevation: 350'

Casing Record: ? ?

- 0- 35 surface
- 40 clay
- 50 sand and shells
- 55 lime with shells
- 70 lime boulders
- 108 gravel and shells
- 120 hard sandy lime
- 132 hard lime
- 138 sticky shale
- 144 packed sand
- 170 hard lime with some sand
- 220 lime with sand and some soft streaks
- 250 hard sandy lime with soft breaks
- 257 hard sandy lime
- 265 water sand
- 266 lime rock
- 270 packed sand
- 310 blue sandy shale
- 339 hard blue sandy shale, showing some mica
- 341 hard sandy lime
- 344 hard sand rock
- 360 soft blue shale
- 365 hard lime
- 384 black sticky shale
- 392 packed sand
- 430 blue sandy shale
- 435 shale and tough gumbo with broken lime
- 438 black gummy shale
- 588 packed sand and lime sinks
- 660 hard sand and lime breaks
- 668 tough gumbo
- 678 hard sand with lime breaks
- 772 sand and lime
- 818 tough gumbo
- 848 water sand and lime rock shells
- 945 water sand with lime shells and streaks of soft sand
- 1125 tough gumbo
- 1135 ash streaked with gumbo
- 1147 hard sandy shale
- 1152 gumbo with white streaks—cored from 1136—typical Selma chalk

Alabama Oil Development Company — Jacob Hill No. 2 (No. 232 on map)
(Continued)

- 1200 gumbo
- 1235 gumbo with white streaks
- 1260 chalky gumbo—very tough—cored at 1250
- 1270 tough lime gumbo
- 1274 gumbo—cored at 1270
- 1290 tough gumbo
- 1308 hard shale with streaks of gummy chalk—cored at 1290
- 1328 gummy chalk
- 1360 chalky gumbo—very tough
- 1366 chalky gumbo
- 1370 hard shale
- 1394 tough chalky gumbo—cored 1368-1372
- 1450 tough gumbo
- 1465 tough gumbo and packed
- 1513 tough gumbo
- 1543 tough chalky gumbo
- 1573 tough gumbo
- 1596 very tough chalk
- 1608 tough sticky chalk
- 1628 gummy chalk
- 1640 dark chalk
- 1649 gummy chalk
- 1661 sandy shale
- 1667 tough gumbo
- 1757-60 cored, lime and gumbo
- 1764-67 lime and gumbo
- 1767 gumbo and lime
- 1793 tough gumbo
- 1819 gumbo
- 1821 hard chalk, cored
- 1880 tough gumbo
- 1914 gumbo
- 1995 tough gumbo
- 2011 hard chalk gumbo
- 2013 cap rock, cores at 2011 and 2020, coarse green sand, with a few fragments of lignite, mica etc.
- 2030 green sand, good positive test for oil at 2017'
- 2037 green sand, mica, lignite, ran formation tester at 2030' Cored fine grained green sand, very micaceous, and small fragments of lignite at 2030'
- 2041 gumbo
- 2042 rock
- 2050 rock shale
- 2058 gumbo

Alabama Oil Development Company — Jacob Hill No. 2 (No. 232 on map)
(Continued)

- 2061 gypsum and lignite, cored at 2061', gray sand, slightly calcareous, micaceous and lignitic.
 2080 gray sand, blue shale, lignite, mica, packed
 2120 shale and gumbo
 2152 soft sand and shale, cored at 2122', mixture of gray and green sand, micaceous, coarse
 2154 hard shale
 2181 shale and sand, cored 2183-2189, loosely consolidated, medium grained green sand.
 2185 reamed
 2190 sandy shale
 2194 gumbo
 2202 gray and blue sand with red gravel, cored, slightly positive test for oil
 2208 red bed with streaks of ash and core gummy gray sand, positive test for oil
 2222 red beds, gray-green, white sand, and some blue shale and gumbo, core 2211'
 2234 tough red bed, cored — slight positive test for oil
 2239 gray gummy sand with mica, cored, slight positive test for oil
 2244 light green sand and clay, cored, slight positive test for oil
 2258 red clay and green sand, cored, slight positive test for oil
 2273 green sand
 2284 red gumbo
 2288 green sand

TOTAL DEPTH.

SUMMARY

Midway	0- 668
Ripley-Selma	668-2011
Eutaw	2011-2194
Tuscaloosa	2194-T.D.

City of Troy, Water Well

Located: NW/c NW/4 SW/4, Sec. 18, Twp. 10 N., Rge. 21 E.

Began: ? ?

Completed: 1906

Elevation: 342'

Csg. Record: 12" @ 300'
 10" @ 900'
 8" @ 1700'
 6" @ 2630'

0- 12 clay
 120 sand, yellow
 126 shell rock
 186 marl, green
 190 shell rock
 308 quicksand
 753 sand, compact
 792 quicksand
 798 sand, compact
 914 white sand and water
 954 sand, blue
 1598 marl, blue
 1606 sand, compact
 1614 marl, green
 1622 shell rock and coral
 1642 sand, compact
 1762 marl, blue
 1770 sand, coarse
 1770½ lignite
 1780½ marl, green and sand
 1784½ sand, compact lignite
 1785½ lignite
 2585½ marl, blue
 2605½ sand, compact
 2632½ marl, gray (crystalline ?)

TOTAL DEPTH.

SUMMARY

Midway	0- 190
Ripley-Selma	190-1598
Eutaw	1598-1785½
Tuscaloosa-Crystallines?	1785½-T.D.

BARBOUR COUNTY

W. B. Hinton, et al. — J. S. Creel No. 1 (No. 233 on map)

Located: In SE $\frac{1}{4}$ of NW $\frac{1}{4}$ of NW $\frac{1}{4}$. Sec. 14, Twp. 9 N., Rge. 26 E.

Began: 8-13-39

Completed: 10-24-1939

Elevation: 504' Est.

Casing Record: 10 $\frac{3}{4}$ " @ 100'

- 0- 100 surface clay and sand
- 290 sandy shale with hard streaks
- 310 water sand
- 450 sandy shale
- 748 sandy and boulders
- 914 sticky shale
- 1090 chalk and shale
- 1300 sticky shale
- 1463 sandy shale with broken streaks of chalk.
- 1600 sticky shale with hard streaks
- 1700 sticky shale with hard streaks
- 1766 sandy shale
- 1774 lime
- 1778 sandy shale
- 1798 cored sandy shale (core No. 1)
- 1817 sand and sandy shale
- 1836 cored sand and sandy shale (core No. 2)
- 1856 cored sand and sandy shale (core No. 3)
- 1876 cored sticky shale (core No. 4)
- 1896 cored sandy shale (core No. 5)
- 1916 cored sand (core No. 6)
- 1936 cored brown shale (core No. 7)
- 1956 cored sandy shale (core No. 8)
- 1968 cored sandy shale (core No. 9)
- 1979 cored sand and sandy shale (core No. 10)
- 1995 cored sand and sandy shale (core No. 11)
- 2015 cored sandy shale (core No. 12)
- 2035 cored sandy shale (core No. 13)
- 2050 shale and sand
- 2069 cored sandy shale (core No. 14)
- 2089 cored red shale with streaks of sand (core No. 15)
- 2109 cored red shale with streaks of sand (core No. 16)
- 2129 cored red shale with streaks of sand (core No. 17)
- 2145 cored sand and shale (core No. 18)
- 2231 sand and black shale
- 2267 lime and shale
- 2361 sticky shale with hard streaks (core No. 19)
- 2453 limey shale with sticky streaks
- 2467 hard sand
- 2527 shale with hard sand streaks

W. B. Hinton, et al. — J. S. Creel No. 1 (No. 233 on map)

(Continued)

- 2547 cored sand and shale (core No. 20)
- 2567 cored sand and shale (core No. 21)
- 2587 cored sand and shale (core No. 22)
- 2607 cored sand and shale (core No. 23)
- 2655 sand and shale
- 2785 shale and sandy shale
- 2830 hard
- 2845 shale and hard streaks
- 3071 sand and shale with hard streaks
- 3098 sand and shale
- 3124 hard sandy shale
- 3132 hard sand
- 3187 hard sand with streaks of shale
- 3207 cored sand and clay with gravel (core No. 24)
- 3227 cored sand and clay with gravel (core No. 25)
- 3300 shale and streaks of sand
- 3355 sandy shale with lime streaks
- 3370 shale
- 3380 sand
- 3410 sandy shale
- 3430 cored sandy shale (core No. 26)
- 3450 cored sandy ash and sand (core No. 27)
- 3456 cored sandy ash and sand (core No. 28)
- 3476 cored sandy shale (core No. 29)
- 3491 cored sandy shale (core No. 30)
- 3505 hard lime
- 3539 hard sandy shale
- 3561 sandy ash with hard streaks
- 3581 cored sandy shale (core No. 31)
- 3584 sandy shale
- 3630 sandy shale
- 3640 sticky shale
- 3665 shale
- 3686 sandy shale
- 3696 sticky shale
- 3708 sand
- 3714 broken shale and sand
- 3734 cored salt water sand (core No. 32)
- 3782 sand
- 3810 sandy shale
- 3840 broken chalk
- 3867 chalk
- 3978 shale with chalky streaks
- 4010 shale with hard streaks of lime

W. B. Hinton, et al. — J. S. Creel No. 1 (No. 233 on map)
(Continued)

- 4050 sandy shale and lime
- 4070 cored shale with streaks of gravel and sand. (core No. 33)
- 4100 cored shale with streaks of gravel and sand
- 4155 sand and hard streaks
- 4206 hard sand and shale
- 4238 chalky shale
- 4270 hard sand with streaks of shale
- 4309 hard sand with streaks of shale
- 4329 hard sand
- 4365 hard sand and shale
- 4376 hard sand and shale
- 4405 red shale and gray shale
- 4417 hard sand
- 4443 hard sand and shale
- 4501 hard sand
- 4526 red and gray shale with hard streaks
- 4546 hard sand and shale
- 4555 hard shale
- 4565 soft sand with red and green shale
- 4567 hard ?
- 4569 hard shale and sand
- 4578 cored hard sandy shale (core No. 34)
- 4604 sandy shale with hard sand streaks
- 4630 sand and sandy shale with hard streaks
- 4657 sand and sandy shale with hard streaks
- 4667 hard sand
- 4686 hard sand and shale
- 4706 cored shale with hard streaks (core No. 35)
- 4714 red shale with streaks of hard sand
- 4723 hard sand
- 4743 hard sand shale
- 4750 cored hard sand (core No. 36)
- 4762 cored 7' red shale, and 5' hard sand (core No. 37)
- 4774 broken sand
- 4776 hard sand
- 4795 cored limy shale and sand (core No. 38)
- 4810 sandy shale with hard streaks
- 4825 sandy shale with hard streaks
- 4848 hard sand with streaks of shale
- 4863 hard sand with streaks of shale
- 4896 hard sand with streaks of shale
- 4916 shale and sand
- 4937 shale and sand
- 4945 hard sandy shale

W. B. Hinton, et al. — J. S. Creel No. 1 (No. 233 on map)

(Continued)

- 4965 cored porous fire sand (core No. 39)
- 4979 cored firm sand with streaks of porous sand (core No. 40)
- 4992 cored red shale with streaks of porous sand (core No. 41)
- 5010 cored porous sand (top 2', red limy shale (core No. 42)
- 5020 cored top 6' red shale, 4' hard sand (core No. 43)
- 5028 hard sand
- 5052 hard sand
- 5067 shale and hard sand
- 5093 sand
- 5096 sand
- 5112 cored porous sand (core No. 44)
- 5127 hard sand
- 5137 sand
- 5152 hard sand
- 5160 hard sand
- 5180 red shale
- 5197 shale and hard sand
- 5207 sand and shale
- 5217 shale and sand streaks
- 5227 cored sand and shale (core No. 45)
- 5241 cored sand and shale (core No. 46)
- 5252 cored red sandy shale (core No. 47)
- 5261 shale
- 5268 hard sandy shale
- 5275 hard sand
- 5282 hard sandy shale
- 5304 cored shale with streaks of porous sand (core No. 48)
- 5314 hard sandy shale
- 5325 cored sand and red shale (core No. 49)
- 5340 hard sandy lime
- 5345 shale and sand
- 5355 hard sand
- 5367 hard sand and shale
- 5374 limy shale
- 5376 hard limy shale
- 5391 hard limy shale
- 5399 sticky shale
- 5418 limy shale and sand
- 5431 hard sand
- 5440 sand and shale
- 5463 sand
- 5479 cored sand and shale with hard streaks (core No. 50)
- 5486 cored hard sand and shale (core No. 51)

W. B. Hinton, et al. — J. S. Creel No. 1 (No. 233 on map)

(Continued)

- 5511 shale and sand
 5530 sand
 5546 cored porous sand with two feet red shale (core No. 52)

TOTAL DEPTH.

SUMMARY

Clayton	0- 191
Ripley and Eutaw	191-1955
Tuscaloosa	1955-3000
dark Red Shales and Sandstones, Lower	
Cretaceous or older	3000-5546

H. A. Stebinger, et al. — Alice S. Robertson, No. 1 (No. 234 on map)

Located: Sec. 19, Twp. 10 N., Rge. 26 E., 120' frm S. line & 600' from E. lines of NE/4 of NE/4.

Began: 12-17-1938

Completed: 3-14-1939

Elevation: 554'

Casing Record: 10" @ 373'; 7" @ 4556'

- 0- 210 white sand, clay and shells.
 375 sandy shale and boulders
 581 sticky shale and boulders
 890 shale with sticky streaks and steak rock.
 1204 shale, sand and shells.
 1420 shale.
 1445 shale and broken lime.
 1630 streaks of lime and sand and sticky shale
 1690 water sand.
 1720 shale
 1750 sand.
 1973 shale and streaks sand.
 2022 shale and streaks of sand.
 2031 cored-full recovery.
 2268 sand and shale.
 (rock 2238-43)
 2280 cored, sandy shale and coal.
 2300 shale and streak sand.
 2360 sticky shale.
 2387 sand and shale.

H. A. Stebinger, et al. — Alice S. Robertson, No. 1 (No. 234 on map)
(Continued)

- 2448 shale and streak sand.
- 2490 sticky shale.
- 2508 cored, brown sand.
- 2585 sand and streak shale.
- 2680 sandy shale.
- 2748 sticky shale.
- 2750 sand.
- 2795 sand and shale.
- 2797 sand.
- 2810 cored red shale, full recovery.
- 2840 sandy shale.
- 2869 sandy shale
- 2933 pink sandy shale (cut 18' core, recovered 3')
- 2940 sand.
- 2997 sticky shale and streaks of sand.
- 3017 sandy ash, cored
- 3070 sandy ash.
- 3100 shale.
- 3193 sandy shale and sand.
- 3200 sticky shale
- 3225 hard shale.
- 3243 hard silty sand cored, recovered 8'
- 3320 hard silty sand
- 3333 hard sand
- 3357 hard shale
- 3416 hard shale
- 3420 hard shale
- 3450 red shale
- 3460 sticky shale lime streaks
- 3465 shale
- 3465 shale and sand.
- 3484 limy shale
- 3508 chalky lime
- 3538 hard sandy shale
- 3558 light gray chalky shale
- 3570 chalk
- 3606 chalk and shale
- 3615 sand
- 3623 brown shale, cored 17' recovered 12'
- 3659 sand, cored full recovery.
- 3677 sand cored 18' recovered 5'
- 3685 sand, recovered 5'
- 3696 hard sand
- 3700 soft cut 15' recovered 7'

H. A. Stebinger, et al. — Alice S. Robertson, No. 1 (No. 234 on map)
(Continued)

- 3720 vari-colored sand and shale, cored full recovery
- 3740 vari-colored sand and shale, cored full recovery
- 3745 hard sand and gravel cored 5'
- 3772 hard sand
- 3774 hard streaks
- 3781 sand
- 3783 hard streaks
- 3791 sand
- 3819 sand and gravel core 3791-3802 sand and gravel
- 3840 sand hard
- 3848 quartzite sand, hard cut 8' in 5-½ hours
- 3858 hard
- 3859 hard streaks
- 3865 hard sand
- 3868 hard lime
- 3872 hard sand
- 3876 hard sand
- 3881 soft sand
- 3907 sand and gravel
- 3931 black shale
- 3944 hard sand with sandy shale streaks
- 3951 cored
- 3971 red shale firm cored
- 3973 red sandy shale, firm, cored
- 3983 hard sand tight cored
- 3992 hard limy sand cored
- 4003 hard sand limy cored
- 4009 red sandy shale
- 4011 hard red sandy lime
- 4017 sandy lime hard
- 4024 sandy lime firm
- 4033 hard sandy lime
- 4047 gray limy shale
- 4057 sandy shale
- 4059 hard sand cored
- 4065 hard sand cored
- 4080 cored full recovery, black sandy lime (dark gray siltstone)
- 4092 cored black hard siltstone
- 4102 hard quartzite sand cored (hard gray to tan sand conglomerate)
full recovery
- 4107 cored gray and tan, coarse sand conglomerate
- 4112 cored blue gray shale
- 4117 cored gray to tan, sand, softer
- 4118 cored hard gray to tan sand conglomerate

H. A. Stebinger, et al. — Alice S. Robertson, No. 1 (No. 234 on map)
(Continued)

- 4121 cored very hard dark gray to black shale
- 4122 cored hard black shale and tan sandy lime
- 4132 cored black asphaltic shale, full recovery
- 4135 cored hard black asphaltic shale, full recovery
- 4145 hard sandy lime. Cored
- 4148 hard sandy lime. Cored.
- 4152 black asphaltic sand streaks of parafine cored, full recovery
- 4154 cored, full recovery
- 4156 hard black lime and shale, cored
- 4170 hard gray to black asphaltic sandstone
- 4181 asphalt and sand
- 4183 shale
- 4192 hard asphaltic sandstone
- 4202 sand
- 4208 cored, hard gray sandstone
- 4224 asphalt hard and shale
- 4242 chalky lime with asphalt and parafine
- 4243 asphalt and parafine
- 4272 shale, sandy shale and sand
- 4281 hard asphaltic parafine
- 4298 hard asphaltic sandstone
- 4310 shale and hard streaks
- 4329 asphalt and parafine
- 4347 hard gray to black sand with asphalt parafine
- 4364 hard sand streaks lime
- 4386 sand and lime
- 4393 asphaltic sandstone
- 4405 asphaltic sand
- 4413 asphalt and sand
- 4437 shale with hard streaks sand
- 4445 shale
- 4452 shale hard streaks sand
- 4470 hard sand
- 4480 hard sand
- 4482 shale
- 4483 shale
- 4486 hard sand
- 4496 sand and shale
- 4504 tan sand cored
- 4509 hard sandy shale, cored
- 4514 hard sand
- 4538 hard sand
- 4554 sandy limy shale
- 4559 cored dark brown sandy shale

H. A. Stebinger, et al. — Alice S. Robertson, No. 1 (No. 234 on map)
(Continued)

- 4575 cored red sandy shale
- 4583 cored red sandy shale
- 4600 sandy shale hard streaks
- 4618 sand
- 4633 sandy shale, cored, no recovery
- 4646 sandy red shale, cored
- 4654 shale cored, recovered 7'
- 4668 sand and shale
- 4704 sand streaks shale
- 4716 sticky shale, pipe correction-4705
- 4751 sand and shale
- 4775 sand and shale
- 4795 sand
- 4811 sand and shale, cored, no recovery
- 4834 sand and sticky shale
- 4849 sand and shale
- 4884 sand and shale
- 4891 sand and shale
- 4903 sand
- 4905 sticky shale
- 4922 sand and shale
- 4950 set 7" casing @ 4556' with 150 sacks Atlas cement. Set 403' 5-3/16" of Perforated liner. Set 25' 5 3/16 blank. Ran 88 joints of tubing. Pulled liner and tubing
- 4990 sandy shale
- 5011 red sandy shale
- 5014 sandy shale, soft
- 5040 red shale, sandy, hard
- 5062 red sandy shale
- 5065 sand
- 5096 red sandy shale with streaks of sand
- 5099 sand and red shale
- 5118 sand cored, full recovery
- 5138 sand and hard shale, cored, recovered, 10'
- 5157 shale and sand, cored, full recovery
- 5187 sand and streaks of pink shale
- 5215 sand and streaks of shale
- set 18 joints 546' of 5 3/16" liner.
- set 3 joints 53' 1" of 4" liner.
- set 4 joints 84' 1" of 3" liner

Total 583' liner. Swung tubing 39' off bottom.
Pulled tubing and liner.

HOUSTON COUNTY

Intercoastal Oil Company — McNair No. 2 (No. 238 on map)

(Gordon Anticline Well)

Located: 100' N. of No. 1 well, Sec. 23, T. 3 N., R. 29 E.

Began: 1921

Completed: 1923

Elevation: 118'

Casing Record: ?

0- 3 soil
18 clay, red
33 sand
39 lime rock
114 soapstone
144 lime rock, soft
164 gumbo (slate, shale of clay clogs up drill)
174 rock and shale
194 gumbo
200 rock sand
225 sand, artesian water
232 rock sand
252 gumbo
258 rock lime
318 gumbo
338 sand, water
369 chalk rock
388 water sand
428 gumbo, black
448 shell and sand, gas
453 coal
495 gumbo, blue
513 salt water sand
528 gumbo, blue
542 shell lime rock
554 shell sand
564 sand, rock
582 gumbo, blue
608 sand and shell
628 water sand
640 shell and sand
725 gumbo
745 brown shale and slate rock
775 Selma chalk, rock
981 Selma chalk, rock
1041 gumbo, blue
1047 lime rock
1117 gumbo, boulders
1129 shale, hard
1174 shale, hard, gas

Intercoastal Oil Company — McNair No. 2 (No. 238 on map)

(Gordon Anticline Well)

(Continued)

1194	shale, hard, gas
1202	gumbo
1205	lime
1305	gumbo and shale
1395	gumbo, gray
1560	gumbo, gray
1600	gumbo
1604	sand
1995	gumbo, streaks of sand and shale
1998	sand
2018	gumbo
2205	shale, blue
2230	gumbo
2232	lime rock
2238	shale
2262	gumbo
2270	sand
2272	gumbo
2287	shale
2300	sand (Woodlawn)
2320	green sand and streaks of gumbo
2355	green sand, and streaks of shale and slate
2357	sand rock
2372	shale, brown
2376	gumbo
2395	green sand with streaks of shale
2397	gumbo, blue
2433	green sand, gas showing
2458	shale, brown, dark
2477	white water sand
2480	gumbo, gray
2484	shale, blue
2500	water sand
2506	shale, brown
2546	water sand
2559	rock with pyrite
2569	water sand
2583	gumbo
2585	sand, showing of oil
2600	gumbo
2606	sand
2631	shale
2641	shale, blue

Intercoastal Oil Company — McNair No. 2 (No. 238 on map)

(Gordon Anticline Well)

(Continued)

2650 sand and shale

3100 (at about 3,000' hole went in to red beds, red sand, gravel, clay gumbo, also a little lignite).

TOTAL DEPTH

SUMMARY

Tallahatta	33- 258
Wilcox	258- 745
Midway	745- 981
Ripley-Selma	981-2300
Eutaw	2300-3000
Tuscaloosa	3000-TD

Rice Oil & Gas Company — Oakley Estate No. 2 (No. 240 on map)

Located: 100' North of South Line & 100' West of East Line, Sec. 9, T. 3 N,
R. 29 E. (NW/4 of SW/4)

Began: 3-16-1936

Completed: 4-10-1938

Elevation: 191'

Csg. Record: 10" @ 8'

0- 52	sticky clay
75	water sand
81	lime rock
100	lime with streaks of sand
135	hard chalk
170	hard chalk
275	water sand
300	hard lime and shale
325	broken lime
360	water sand
375	broken lime
425	shale with lime shells
450	sticky shale
480	broken lime
485	shells and lime
525	marl
561	marl
570	lime
640	sand and shale

Rice Oil & Gas Company — Oakley Estate No. 2 (No. 240 on map)

(Continued)

661	sticky shale, lime shell
705	sandy lime
715	sand and lime
738	sand and lime
775	hard lime
785	hard lime
865	lime rock
910	lime rock
922	sticky shale
945	marl
975	marl
1025	sandy shale and lime
1030	sticky shale, lime shells
1055	back sand, lime shells
1065	gumbo
1097	gumbo
1137	gumbo
1138	sand cored (Ripley)
1141	D. S. Test
1160	shale with streaks of lime
1175	sticky shale
1255	lime
1255	sticky shale
1280	gumbo
1340	gumbo
1380	sticky shale
1410	gumbo
1450	gumbo
1490	gumbo
1540	shale and pyrites
1555	gumbo
1600	gumbo
1630	gumbo
1680	gumbo
1684	gumbo
1685	rock
1686	sandy shale (cored)
1720	gumbo
1755	gumbo
1775	sticky shale
1795	gumbo
1820	sticky shale
1822	sandy shale (cored)
1830	sandy shale (cored)

Rice Oil & Gas Company — Oakley Estate No. 2 (No. 240 on map)
(Continued)

1865	sticky shale
1915	sticky shale
1945	sticky shale
1975	sticky shale
2015	sticky shale and lime shells
2030	chalk
2060	chalk
2115	chalk
2140	chalk
2170	chalk
2209	chalk
2210	sandy shale
2240	chalk
2250	chalk
2275	chalk
2286	gumbo
2296	gumbo
2304	sticky shale
2325	gumbo
2335	gumbo
2355	chalk
2356	sand rock
2360	chalk
2385	chalk
2393	8' white sand cored
2399	white sand
2412	sandy shale
2436	sandy shale and lime shells
2465	sandy shale
2471	sandy lime rock cored
2475	sand cored, showing a little gas
2475	drill stem test—tested 2100' fresh water
2483	sand streaked with shale
2506	sand and shale
2525	shale and lime
2528	rock
2531	cored sand
2550	cored sand showing fresh water
2565	sandy shale
2575	sticky shale
2606	sandy shale
2538	sandy shale
2649	sand, salt water
2673	sandy shale

Rice Oil & Gas Company — Oakley Estate No. 2 (No. 240 on map)
(Continued)

2678	sand rock
2685	cored sand, salt water
2690	sandy shale
2691	rock
2705	sand, cored salt water
2723	sticky shale
2725	cored sand and shale
2735	sand with shells
2743	sticky shale
2746	sand rock
2748	sandy shale, cored
2755	sandy shale
2759	rock
2762	green sand cored
2790	shale
2794	rock
2798	cored, sand salt
2800	sticky shale
2840	sand, cored salt
2969	sticky shale
2971	cored 2' sandy shale
3029	sticky shale
3030	lime rock
3035	salt water sand, cored
3065	salt water sand
3080	shell and lime
3120	shale
3121	lime rock
3123	shale
3126	cored, sand
3146	sticky shale
3170	sticky shale, red
3174	cored sand, probably salt water
3190	sand
3235	sand
3270	red sand
3290	hard lime
3292	cored red sand
3300	sand, red
3316	hard shale, red
3319	sand rock
3321	cored red sand
3350	sand
3356	shale

Rice Oil & Gas Company — Oakley Estate No. 2 (No. 240 on map)

(Continued)

3363	sticky shale
3365	sand, cored
3387	red shale and sand
3425	red sand
3438	sand
3440	sand
3500	sandy shale
3580	sticky shale
3608	sticky shale
3620	sticky shale
3636	sand, cored
3764	sandy shale
3768	sand, cored
3800	sandy shale
3834	sticky shale
3846	sand, cored
3865	sandy clay
3876	sandy clay and shale
3900	sandy clay and shale
3960	sandy clay and shale
4002	sandy clay and shale
4018	sandy shale
4032	shale, streaks of sandy shale
4147	shale, streaks of sandy shale and ash
4250	shale, streaks of sandy shale and ash
4300	shale, streaks of sandy shale and ash
4353	same
4562	same
4588	sticky shale
4591	red sand, cored
4600	red shale, sticky sandy ash
4647	gummy shale
4703	sticky shale
4817	red, sticky shale
4885	red, sticky shale
4900	sand and ash, cored
4902	sticky shale and streaks of hard lime
4947	sticky shale and streaks of hard lime
4972	same
5030	sticky shale, streaks of lime
5100	same
5170	hard shale and lime
5190	same

Rice Oil & Gas Company — Oakley Estate No. 2 (No. 240 on map)
(Continued)

5194 hard lime
5213-8" hard lime
5214 hard, very hard called Paleozoic by Paleontologist

TOTAL DEPTH

SUMMARY

Top Ripley	1137
Top Selma	1170
Top Eutaw	2170
Top Tuscaloosa	3060

Top Wilcox	325
Top Salt Mountain	735-910
Top Selma	1170
Top Eutaw (lithology)	1915
Top Tuscaloosa	3060

BALDWIN COUNTY

Baldwin County Oil & Development — Fitzhugh No. 1 (No. 242 on map)

Located: Sec. 22, Twp. 8 S., Rge. 4 E., Extreme tip of Ft. Morgan Peninsular and within Military Reservation

Began: ??

Completed: Dec. 1909

Elevation: Estimated 5'

Casing Record: ?

0- 30 surface sand
32 sand, blue, soft
87 sand, white
100 mud, blue, soft
112 sand, soft, coarse
120 mud, blue, soft
158 sand, coarse
169 sand, pebbly
175 gravel
255 mud, blue oyster shells
277 mud, soft with shells
321 mud, tough with oyster shells
322 rock, hard
357 sand, fine, blue with shells
323 gumbo, blue tough
570 sand, blue, gray, with shells
574 sand, fine shells
753 sand, salt water, trace of oil
782 gumbo, blue
1060 sand and shells, salt water
1061 rock
1076 gumbo, blue with shells
1079 rock
1089 sand
1121 traces of oil and gas (gumbo)
1124 rock, hard
1204 sand, pebbly
1244 gumbo
1252 rock, very hard
1290 shale, soft
1330 sand, blue
1350 shale
1352 rock
1370 sand, hard
1378 gravel
1513 gumbo, strong gas
1513 TOTAL DEPTH D&A

Baldwin County Oil & Development Co.—Thompson No. 1 (No. 243 on map)

Located: Sec. 22. Twp. 8 S., Rge. 4 E., 1740' North of South line and 2390' from West line of Section

Began: 1908

Completed: ??

Elevation: 46'

Casing Record: 4" @ 1975'

0-	15	sand and clay
	22	sand and water
	32	clay
	76	sand
	77	rock
	167	sand
	168	rock
	208	sand
	214	clay
	240	sand
	257	clay
	261	sand and gas
	268	clay
	428	sand
	431	clay
	436	sand
	468	clay
	482	sand
	486	clay
	487	rock
	551	clay
	553	rock
	557	sand and gas
	569	clay
	649	sand
	655	clay
	665	sand
	670	clay
	678	shale and gravel
	694	sand
	716	shale and gravel
	730	clay
	745	shale
	767	clay
	772	shale
	774	rock (soft)
	799	clay
	829	shale
	838	sand

Baldwin County Oil & Development Co.—Thompson No. 1 (No. 243 on map)
(Continued)

898	sand, little gravel and gas
904	gumbo
909	rock
921	gumbo
924	rock
940	gumbo
942	rock
977	gumbo
979	rock
1001	gumbo
1002	rock
1020	gumbo
1021	rock
1026	gumbo
1041	sand
1061	gumbo
1070	shale
1071	rock and pyrites
1091	gumbo
1094	shale
1136	gumbo
1138	rock
1410	gumbo
1435	shale
1520	gumbo
1522	rock
1576	gumbo
1578	rock
1649	gumbo
1650	rock, gas, oil, boulders
1686	gumbo
1690	rock
1800	gumbo
1806	rock, pyrites and gas
1808	sand
1841	gumbo
1846	rock and gas
1866	gumbo
1871	rock
1894	gumbo
1900	rock and pyrites
1912	gumbo
1914	rock
1926	gumbo, oil, gas

Baldwin County Oil & Development Co.—Thompson No. 1 (No. 243 on map)
(Continued)

1929	rock
1932	gumbo
1933	rock
1934	gumbo
1936	shale
1937	gumbo
1939	shale and rock
1947	rock
1961	gumbo
1982	rock (4" pipe set at 1975)
1983	gumbo and oil
1985	gumbo and oil
1987	sand
1999	coarse sand and rock
2001	shale
2004	rock and marine fossils
2010	shale and marine fossils
2015	gumbo
2018	shale and rock
2021	shale
2027	shale and shells
2080	shale and shells
2084	hard rock (flow of salt water)
2094	sand
2099	shale and sand
2109	packed sand
2113	shell
2118	salt rock
2138	soft, white rock
2155	salt rock
2174	soft, white rock
2194	honey comb - losing water
2213	shell and rock
2227	white rock, gas, salt water
2228	rock
2236	shale
2237.5	hard, blue limestone
2238.2	rock
2242	shale and gravel
2253.2	white rock
2258.2	gravel
2276	gravel and shale
2277	rock
2282	sand

Baldwin County Oil & Development Co.—Thompson No. 1 (No. 243 on map)
(Continued)

2284	rock
2301	shale and small boulders
2305	small boulders and gravel
2325	shale (showing of oil)
2330.2	marine fossils
2332	white rock
2336	shale
2350.2	shale, boulders and pyrites
2354.2	shale
2357.2	hard, white rock
2360.2	blue shale and gas
2361.2	soft, white rock
2365.2	shale
2371.2	white rock, pyrites, oil
2375	white rock, pyrites, oil
2414.2	gumbo and gypsum (hard)
2420.2	gumbo and gypsum (soft)
2426.2	gumbo and gypsum (hard)
2438	gypsum (very hard) and gumbo
2453.2	gypsum and gumbo
2456	shale, good showing of oil
2458	gyp and gumbo
2463	shale and pyrites
2467	gyp and gumbo
2471	pyrites
2474	gravel
2476	shale
2482	shale
2486	pyrites and soft rock
2500	shale, some gas and oil
2520	blue shale, little gas and oil
2548	gumbo and gyp
2627	soft shale
2649	shale and white rock
2660	rock, shale, show of oil
2668	rock, show of gas
2675	shale and boulders
2680	hard, white rock
2686	pyrites, hard rock, iron ore
2687	iron ore and pyrites
2687	TOTAL DEPTH

Baldwin County Oil & Development Co.—Thompson No. 1 (No. 243 on map)
(Continued)

SUMMARY

Pleistocene	0- 32
Citronelle	32- 436
Pascagoula clay	436- 898
Hattiesburg clay & Alum Bluff	898-1410
Catahoula	1410-2001
St. Stephens limestone	2001-2520
Claiborne	2520-2687

Danciger Oil & Refineries, Inc. — Fort Morgan No. 1 (No. 245 on map)

Located: 900' West and 165' North of Northwest Corner of Section 1, Twp.
9 S., Rge. 1 E., Irregular Section. In parcel 2, of Fort Morgan Reserva-
tion No. 1, extreme western end of Peninsular.

Began: 1-30-1935

Completed: 3-19-1935

Elevation: 11.4

Casing Record: 20" @ 32'
12½" @ 200'

0-	32	surface
	90	soft sand
	110	gumbo
	173	soft sand
	182	gravel and sand
	191	shells and sand
	200	gumbo
	280	shale and shells
	300	gravel
	327	gravel, shale and shells
	450	shale and shells
	457	sand
	560	blue shale
	608	soft sand
	611	gravel
	665	sandy shale and shells
	710	sandy shale
	711	rock
	727	shale and boulders
	800	soft sand
	838	sandy shale and shells
	852	soft sand and shells

Danciger Oil & Refineries, Inc. — Fort Morgan No. 1 (No. 245 on map)
(Continued)

910	sandy shale and shells
915	shale
960	sandy shale and shells
961	hard sand
985	sandy shale and shells
1101	sand and streaks of shale
1103	hard lime shell
1194	sandy shale
1230	sticky shale
1293	sandy shale and shells
1307	sandy shale streaks, sticky shale
1335	gummy shale and sand streaks
1389	sticky shale
1390	lime shell
1398	sticky shale and shells
1413	soft streaks of sand
1414	hard lime shell
1442	sticky shale
1444	sand
1447	sticky shale
1458	sticky shale and sand streaks
1470	gumbo
1511	sticky shale
1525	brittle shale with shells
1530	gummy shale
1535	shale
1551	shale with streaks of sand
1557	shale
1570	shale with fine sand
1586	brittle shale
1592	sticky shale
1594	shale and shells
1625	dark green shale with sand streaks
1527	shale and streaks of sandy shale
1638	sandy shale and shell
1708	sandy shale
1726	sandy shale with gummy streaks
1744	sandy brittle shale, shells and streaks hard brown lime
1762	brittle shale and shell
1780	sandy shale
1855	sandy shale with streaks hard brown lime
1895	sandy shale
1935	shale
1975	brittle shale

Danciger Oil & Refineries, Inc. — Fort Morgan No. 1 (No. 245 on map)
(Continued)

1985	brittle shale
1987	sand and shells
1993	sandy shale with shells and lignite
2005	sandy shale
2015	sandy shale with streaks of lime
2035	sticky shale
2055	sandy shale with streaks gummy shale
2095	shale
2135	brittle shale
2172	shale
2212	brittle shale
2307	shale
2315	sand
2331	soft, salt and pepper sand
2333	sand
2334	rock
2352	sand
2385	salt water sand
2400	soft, salt water sand and streaks of shale
2442	sandy shale
2457	shale
2505	sandy shale
2515	sandy shale
2544	broken sand and shale
2564	broken sand and shale

TOTAL DEPTH

CORES TAKEN AT:

453	458
570	575
1103	1109
1398	1403
1415	1420
1472	1478
1511	1516
1530	1535

Cored continuously from 1535 to 2564'

SUMMARY

Recent & Citronelle 0- 290
Miocene 1398-2564

Danciger Oil & Refineries, Inc. — Fort Morgan No. 2 (No. 246 on map)

Located: 200' north of No. 1, in Section 1, Tpw. 9 S., Rge. 1 E.

Began: 9-26-1935

Completed: 12-30-1935

Elevation: 11.4

Casing Record: 20" @ 32'
10" @ 222'

- 0- 10 sand and wood stump
- 85 sand and shells
- 115 sand and streaks of shale
- 180 sand and shells
- 219 sand shells and streaks of shale
- 223 sticky shale
- 237 sticky shale
- 290 sand and gravel
- 316 shale and streaks of sand
- 326 shale
- 455 sand and gravel
- 491 sand
- 498 shale
- 508 gumbo
- 606 sand
- 640 sand and gravel
- 764 sand
- 772 sandy shale
- 806 sand and shells
- 876 sand and shells with streaks shale
- 907 sand and shells, shale streaks
- 990 sand and shells
- 1065 sand and boulders
- 1079 sand and shale streaks
- 1080 hard sand and shells
- 1095 shale
- 1116 sandy shale streaks of shale
- 1126 sandy shale and streaks shale
- 1132 gummy shale
- 1196 sandy shale and streaks sand
- 1198 rock
- 1212 gummy shale
- 1248 sandy shale, shells, streaks of sticky shale
- 1259 sticky shale
- 1281 shale and sand streaks
- 1305 shale and sand
- 1330 gummy shale with sand streaks
- 1351 shale
- 1361 soft sand with hard streaks

Danciger Oil & Refineries, Inc. — Fort Morgan No. 2 (No. 246 on map)
(Continued)

- 1388 sand and hard streaks, sandy shale
- 1389 hard sand and shells
- 1414 sandy and shale streaks
- 1419 sticky shale
- 1495 shale and hard streaks lime
- 1500 shale and shells
- 1544 sticky shale
- 1603 sticky shale and streaks of shale and shells
- 1612 sand
- 1645 sand streaked shale and shells
- 1674 shale
- 1683 gummy shale
- 1685 shale
- 1715 gummy shale
- 1732 sticky shale
- 1757 shale and shells
- 1793 sticky shale
- 1816 sticky shale
- 1855 sticky shale and shells
- 1925 sticky shale streaked with brown lime
- 1999 sticky shale and lime
- 2001 sand and shale
- 2004 soft shale
- 2052 showing small amount sand and streaks brown lime
- 2105 sticky shale, showing sand, lime
- 2175 sticky shale with sand and lime
- 2254 sticky shale and streaks brittle shale
- 2294 sticky shale and brittle shale
- 2314 sandy shale with shells streaked with gummy shale
- 2334 sticky shale
- 2370 sand
- 2387 shale and streaks sand, shale
- 2407 sandy shale
- 2430 gummy shale
- 2468 sticky shale
- 2487 shale and streaks of sand
- 2545 sandy shale streaks of sand
- 2593 sand, shale and sticky shale
- 2595 sand and shells showing, salt water
- 2650 shale with sticky shale
- 2674 sticky shale
- 2707 brittle shale, streaks of shale and shells
- 2731 hard shale
- 2736 sandy shale and shells

Danciger Oil & Refineries, Inc. — Fort Morgan No. 2 (No. 246 on map)
(Continued)

2738 hard lime
2765 hard lime, sand and shale
2786 hard lime with shale streaks
2823 hard lime and shale streaks
2835 shale and lime
2841 hard lime
2862 broken lime
2900 broken lime, streaks hard lime
2943 broken lime with hard lime
2951 broken lime, streaks of hard lime
2953 hard sandy lime

TOTAL DEPTH

Mrs. Mamie B. McCurry, et al. — Southern Kraft Corporation No. 1 (No. 248 on map)

Located: 2440' from S. line & 1520' from E. line of Section 28, Twp. 2 S., Rge. 4 E.

Began: 6-15-1935

Completed: 7-31-1935

Elevation: 178'

Casing Record: 12½" @ 186'

0- 30 clay and sand
90 sand
120 boulders
180 clay and sand
186 sticky clay
252 blue clay and sand streaks
445 blue clay with quartz gravel
467 blue clay
489 blue clay with quartz gravel
557 blue clay with sand and gravel
671 blue gummy clay
725 blue shale and sand
821 blue sticky shale
843 blue sticky shale with sand streaks
887 blue sticky clay
975 blue sticky shale with gravel
997 sand, shale and gravel
1020 blue clay, and sand streaks with gravel
1037 chalk
1160 chalk and lime

Mrs. Mamie B. McCurry, et al. — Southern Kraft Corporation No. 1 (No. 248 on map)—(Continued)

- 1234 gray blue shale
- 1258 sand
- 1300 black-green shale with sand streaks
- 1323 sand and sandy shale
- 1325 sandy shale
- 1327 lime shells
- 1347 gummy shale
- 1352 hard lime
- 1366 lime and shale
- 1378 hard chalk
- 1438 chalk and lime
- 1465 hard lime with broken streaks
- 1487 gray sandy shale with hard streaks sand and lime
- 1517 broken lime with hard lime caps
- 1539 hard sandy lime
- 1581 hard lime
- 1600 broken lime with hard streaks
- 1608 broken lime
- 1616 blue shale
- 1648 broken and hard lime
- 1670 sandy shale
- 1692 shale, sandy shale and green sticky sand
- 1700 sandy shale and shells and hard streaks sand
- 1740 hard sandy shale and shells
- 1780 green sandy lime with shells and sand streaks
- 1812 sandy lime with streaks clay
- 1860 greenish gray sandy lime with gray clay streaks
- 1927 sand and sandy shale
- 1960 sandy shale and soft streaks
- 1981 green sand with hard streaks
- 2154 green sandy shale with hard streaks lime
- 2194 brown sticky shale with streaks brittle brown shale
- 2212 sticky brown gray shale
- 2215 sandstone
- 2378 soft gray brown sandy shale with streaks brown sticky shale
- 2430 soft brown sandy shale with streaks brown sticky shale
- 2551 greenish brown shale and brown sticky shale with streaks shells and sand
- 2561 brown sticky shale with layers shells and gravel
- 2637 brown sandy shale with streaks shells
- 2689 brown sandy shale and hard brittle brown shale
- 2694 sand, salt water
- 2722 sand salt water
- 2724 rock

Mrs. Mamie B. McCurry, et al. — Southern Kraft Corporation No. 1 (No. 248 on map)—(Continued)

- 2750 salt water sand with gray sandy shale
- 2798 shale and sandy shale
- 2829 gray sandy shale and shale
- 2875 shale with streaks gray sandy shale
- 2915 shale with gummy streaks
- 2996 gummy shale with streaks hard shale and sandy shale
- 3050 brown sticky shale
- 3074 brown sticky shale with streaks gray sandy shale and shells
- 3161 brown sticky shale
- 3178 brown sticky shale with streaks hard shale and gummy shale
- 3198 brown shale with hard lime streaks (top Salt Mountain)
- 3203 hard sandy lime
- 3275 hard lime and shells (drilled rough)
- 3288 shale and lime
- 3293 shale
- 3297 brown sandy shale
- 3401 brown shale, hard with streaks sticky shale
- 3484 brown shale and sticky shale
- 3485 hard caprock
- 3488 sand
- 3508 sandy shale
- 3553 gummy shale
- 3561 sand
- 3570 sticky shale
- 3576 hard lime
- 3581 rock
- 3583 hard sandy lime and soft sand
- 3727 soft gray brown sandy shale and brown shale
- 3728 limestone
- 3730 hard sand, shale
- 3735 sand with streaks hard sandy shale
- 3789 hard sandy shale with streaks shale
- 3804 gummy shale with streaks sandy shale
- 3880 sandy shale boulders and brown sticky shale
- 3930 gray dark brown sticky shale
- 3950 brownish black sticky shale and hard shale with boulders
- 3984 brown-black hard shale with sticky streaks
- 4054 brown-black shale and black flaky shale
- 4095 black flaky shale
- 4097 hard lime and shale
- 4101 limestone
- 4243 brownish black sticky shale with streaks sandy shale
- 4249 sand
- 4252 caprock

Mrs. Mamie B. McCurry, et al. — Southern Kraft Corporation No. 1 (No. 248 on map)—(Continued)

- 4272 sandy shale
- 4303 hard black shale with gummy streaks
- 4350 black shale
- 4354 broken sandstone
- 4376 gray sand and sandy shale
- 4420 gray sandy shale and sand and hard shale
- 4500 hard shale and sticky shale
- 4521 sticky shale and streaks sandy shale
- 4534 sandy shale and sand
- 4568 black flaky shale
- 4698 hard sticky chalk
- 5027 chalk

TOTAL DEPTH

SUMMARY

Citronelle	0- 186
Miocene	186-1037
Oligocene	1037-1345
Jackson	1345-1561
Claiborne	1561-2151
Tallahatta	2151-3471
Midway	3471-4554
Selma	4554-TD

CORE RECORD:

- Core No. 1, 1037-1939 light whitish blue chalky shale
- 2, 1264-1271 greenish black calcareous, pyritiferous lignitic and slightly bentonitic laminated clay with sand streaks, occasional shell fragments.
 - 3, 1327-1333 greenish gray brightly fossiliferous calcareous shale
 - 4, 1357-1358 light olive brightly calcareous clay
 - 5, 1378-1383 hard gray white sandy limestone
 - 6, 1465-1470 gray sandy shale with sand streaks (taste salty)
 - 7, 1604-1610 hard sandy lime with blue non-calcareous clay at base
 - 8, 1674-1681 massive gray fine sandy shale and sand with shell fragments
 - 9, 1780-1787 gray sandy lime with gray green fossiliferous sand and sandy clay streaks
 - 10, 1812-1815 gray sandy glauconitic lime with gray shale streaks
 - 11, 1836-1839 hard gray green glauconitic sand lime with streaks of sandy shale (salty)
 - 12, 1860-1863 gray green sandy lime with streaks of sand and sandy shale partly porous (salty)

Mrs. Mamie B. McCurry, et al. — Southern Kraft Corporation No. 1 (No. 248 on map)—(Continued)

- 13, 1880-1883 fine porous gray green very sandy lime with streaks of sand
- 14, 1904-1907 porous greenish gray sandy lime, very sandy
- 15, 1924-1927 greenish gray sandy lime with streaks gray sandy shale and sand
- 16, 1946-1949 hard green gray sandy lime with streaks sand
- 17, 1969-1972 hard green gray sandy lime with streaks gray micaceous sand
- 18, 1993-1996 hard bluish gray sandy lime
- 19, 2019-2023 hard bluish gray sandy lime with sand streaks
- 20, 2034-2037 green gray sandy lime like siltstone and streaks gray calcareous clay
- 21, 2058-2061 hard blue green sandy glauconitic lime
- 22, 2074-2077 hard blue gray glauconitic sandy lime with streaks of white chalk
- 23, 2100-2103 hard gray green sandy lime (siltstone with streaks chalk)
- 24, 2129-2132 green gray very sandy lime slightly glauconitic and fossiliferous (salty)
- 25, 2159-2162 gray brown noncalcareous laminated clay slightly sandy
- 26, 2178-2181 brown gray laminated clay
- 27, 2192-2195 gray brown micaceous laminated sandy clay slightly calcareous
- 28, 2215-2218 dark gray calcareous micaceous sandy chalk lightly fossiliferous
- 29, 2288-2291 fine grained gray saltwater sand
- 30, 2363-2366 gray brown laminated sandy shale
- 31, 2430-2433 fine gray green micaceous sand
- 32, 2457-2460 fine gray green slightly glauconitic porous sandy shale (salty)
- 33, 2504-2507 fine gray laminated micaceous sandy shale (salty)
- 34, 2548-2551 fine gray laminated micaceous lightly sandy shale
- 35, 2561-2563 gray laminated micaceous lignitic clay with sand streaks, noncalcareous
- 36, 2637-2640 fine gray micaceous and lignitic shale with streaks of gray sand
- 37, 2691-2694 fine grained gray micaceous sand slightly lignitic (tasted salty)
- 38, 2724-2726 gray laminated micaceous shale with streaks of sand (few fossils)
- 39, 2799-2802 fine gray micaceous sandy shale
- 40, 2917-2920 gray laminated slightly micaceous sandy shale

Mrs. Mamie B. McCurry, et al. — Southern Kraft Corporation No. 1 (No. 248 on map)—(Continued)

- 41, 2999-3002 gray laminated micaceous, sandy shale with streaks coarse glauconitic sand (salty).
- 42, 3050-3052 gray laminated micaceous sandy shale with streaks of porous sand
- 43, 3201-3203 hard white sandy glauconitic lime
- 44, 3215-3218 hard gray dense lime with white fossiliferous lime nodules
- 45, 3222-3225 hard white lime white streaks gray marl
- 46, 3295-3298 dark gray laminated shale with streaks fine sand with lignitic seams
- 47, 3398-3401 gray laminated shale with streaks gray micaceous sand and sandy shale with lignitic streaks
- 48, 3485-3488 gray highly fossiliferous sandy shale with streaks sand
- 49, 3554-3557 drak gray shale with streaks medium grained sub-angular quartz sand and fossils
- 50, 3581-3583 soft gray sand shale
- 51, 3585-3588 no record
- 52, 3588-3592 fine gray porous quartzitic sand (salt water)
- 53, 3731-3733 hard and soft gray porous micaceous sand with streaks of gray sandy shale
- 54, 3753-3756 soft gray medium coarse quartzitic sand with streaks dark gray thinly laminated sand clay (salt water)
- 55, 3839-3842 fine gray laminated micaceous sand with lignite seams and streaks dark gray clay (salty)
- 56, 3876-3879 fine gray laminated micaceous sand with streaks of gray brown shale
- 57, 3946-3949 dark gray brown thinly laminated shale with thin streaks of micaceous sand
- 58, 4097-4099 (hard quartzitic boulders)
- 59, 4138-4140 fine dark gray micaceous sand with streaks fine sandy shale
- 60, 4150-4153 fine tight slightly micaceous sand with streaks dark gray shale and sandy shale
- 61, 4246-4249 hard tight quartzitic sand streaks slight calcareous
- 62, 4254-4257 dark gray black poker chips shale with streaks dark gray micaceous sand and sandy shale
- 63, 4354-4357 medium coarse gray quartzitic sand very porous (pungent odor)
- 64, 4427-4430 dark gray black brittle slightly micaceous shale with gummy streaks
- 65, 4572-4575 whitish gray tight gummy chalk with gray shaly chalk streaks

MOBILE COUNTY

J. E. Spence — Jarvis & Meachen No. 1 (No. 251 on map)

Located: Sec. 23, T. 3 S., R. 3 W.

Began: ?

Completed: 1914

Elevation: 245'

Casing Record: 10" @ 350'
6" 1775'

- 0- 10 sandy, yellow clay
- 20 sand, red
- 50 sand, white, fine dry
- 87 sand, with water
- 107 sand and clay
- 180 gumbo, tough, pink
- 323 gravel, hard, coarse (streaks white and pink gumbo)
- 339 shale, blue (soapstone)
- 420 shale, blue, brown, coarse
- 462 shale, brown, fine
- 484 sand, sharp, white, coarse
- 532 shale, blue and brown
- 534 shale, blue, sand and shells; small show of gas
- 650 shale, blue, wavy, fine white shells (Pascagoula fossils)
- 917 shale, blue, gumbo, shells
- 957 shale, blue, sandy, hard, fine
- 997 shale, blue, sand, hard pockets
- 1016 sand, softer
- 1038 sand and shells, fine
- 1060 sand, white shells
- 1097 sand, shells
- 1117 sand, 60% shells
- 1180 sand, fine, white
- 1250 sand and shale, blue, gumbo, white shell
- 1255 flint shell rock
- 1268 shale, red, blue streaks
- 1298 sand, white
- 1311 shale, blue, sand and coarse shells
- 1350 sand, white
- 1430 shale, blue, sand, shells
- 1448 hard coarse shells, sand
- 1503 shale, coarse, blue and red, and white gumbo
- 1532 gumbo, shells and shale
- 1561 shale, blue, hard
- 1581 gumbo, tough, and shale
- 1604 shale, red and blue, and sand
- 1686 sand, very coarse, white
- 1726 white, black, yellow, red and blue sand
- 1739 sand and shells

J. E. Spence — Jarvis & Meachen No. 1 (No. 251 on map)
(Continued)

- 1747 sand, a little finer
1756 sand, coarse, harder, black grains
1767 shale, blue and shells
1788 shale, blue and chalk

TOTAL DEPTH

SUMMARY

Pliocene 0-323
Miocene 323-TD

Ohio Oil Company — James Bethel No. 1 (No. 252 on map)

Located: 330' S. & 330' E. of NW/c of SW/4 NE/4 Sec. 34, Twp. 3 S., R. 2 W.

Began: 6-24-1932

Completed: 8-15-1932

Elevation: 101'

Casing Record: 15 $\frac{5}{8}$ " @ 62.5
13 $\frac{3}{8}$ " @ 775
9 $\frac{5}{8}$ " @ 3247

- 0- 10 sand
45 yellow clay
62 sand, gravel
212 sand, gumbo
272 water sand
620 gray sand
680 sand, gravel
771 sand
780 shale, shells
791 blue, gray sand, cored
900 soft shale
915 water sand
928 shells, sand
1085 shale, sand
1111 blue gray micaceous sand, cored
1356 fossils, sand, shells
1416 sand, gravel
1446 lignite, shells, sand
1570 shale, shells, sand
1630 gravel, sand
1752 shale, shells, gravel, cored sand, limy

Ohio Oil Company — James Bethel No. 1 (No. 252 on map)
(Continued)

- 1777 lime
- 1787 broken lime
- 1809 fossils, shells, shale
- 2008 gumbo, boulders, cored
- 2016 gumbo, boulders, cored 2016-2022
- 2083 chalky lime
- 2088 chalky lime, shells, cored
- 2155 lime
- 2167 greenish, calcareous clay, cored
- 2198 limey, shale, shells
- 2233 lime, green shale
- 2236 lime, shale, cored
- 2249 glauconitic, marly earth, cored
- 2275 lime, shale
- 2306 rotten shale, cored
- 2319 glauconitic marl, cored
- 2327 shale, shells, glauconitic
- 2339 mildly glauconitic marl, cored
- 2418 shale, streaks, lime
- 2443 lime, streaks shale
- 2445 hard lime
- 2460 salt water sand, cored
- 2465 lime
- 2496 shale, hard streaks lime
- 2534 sandy lime
- 2690 glauconitic shale, cored
- 2807 shale, fine sand, cored
- 2829 glauconitic sand in boring in lignite shaly sand, cored
- 2928 rotten shale, little fine sand
- 2980 sand, shale
- 2991 hard glauconitic sand and clay
- 3002 SLM (which balances crooked hole)
- 3040 sandy shale
- 3050 soft sand, shells, cored, shaly sand with quartzite.
- 3245 sandy shale
- 3338 shale thin rocks, dark shale with fine sand, cored
- 3537 shale, thin rocks
- 3540 glauconitic marl
- 3555 shaley sand and shale, cored
- 3650 shale, thin sand laminate, cored dark sandy shale
- 3819 shale, thin rocks gummy shale
- 3828 calcitized sand, green, yellow, cored
- 3833 hard sandy lime
- 3883 hard lime rock

Ohio Oil Company — James Bethel No. 1 (No. 252 on map)
(Continued)

3998	sandy shale
4015	hard green glauconitic marly sand, gummy shale, cored
4298	light and dark gray shaly sand, lignitic, cored
4530	sandy shale
4545	banded light and dark shaly fine grained sand, cored
4781	fine-grained shaly sand and thin rocks, cored
4795	banded dark greenish gray to black shale with few sand lenses, cored
4980	gray to black shale
5070	dark steel gray shale
5083	dark steel gray shale, cored
5275	dark steel gray shale, cored
5351	gray, slickensided and brecciated chalk, cored continuously

TOTAL DEPTH.

SUMMARY

Top Miocene	980'
Top Oligocene	1752'
Top Jackson	2235'
Top Cockfield	2450'
Top Cook Mountain	2675'
Top Tallahatta	3015'
Top Wilcox	3060'
Top Midway	4780'
Top Selma	5275'

R. C. Avent et al. — Chickasaw Lmbr. & Dev. Co. No. 1 (No. 253 on map)

Located: Sec. 27, Twp. 3 S., Rge. 1 W. 40' east of West line and 850' Nor.h
of South line of SW/4 SE/4.

Began: Sept. 1925

Completed: 1927

Elevation: ? ?

Casing Record: ? ?

0-	15	black land marsh
	21	clay
	94	sand and gravel
	97	gumbo
	132	sand, gumbo and gravel
	160	gumbo
	310	sand, shale and oxide of iron

R. C. Avent et al. — Chickasaw Lmbr. & Dev. Co. No. 1 (No. 253 on map)
(Continued)

328	gumbo and shale
329	sand rock
350	gumbo
380	sand, very fine
385	shell and lignite
420	gumbo
475	sandy gumbo with little shell, lignite
488	sand, very fine
500	gumbo
508	lime and brown shale
552	sand, shale, shell, with little pyrite of iron
565	gumbo
570	sand
583	gumbo, sandy
589	gumbo
615	sand and shell
617	gumbo
714	sand, gravel and shell
729	gumbo, sandy, little shell
761	lime, gumbo, and shale
801	gumbo
828	water sand
903	gumbo
966	gumbo
1000	gumbo, sandy
1010	sand
1052	gumbo and shale
1059	sand
1069	gumbo
1072	sand
1078	gumbo
1094	sand and sand rock
1100	gumbo
1130	sand and shell
1136	sand rock
1158	sand lime and iron
1161	sand rock
1172	gumbo
1196	sand, sand rock, lime, shell
1220	gumbo
1262	coarse water sand
1330	sand and pebbles
1332	gumbo
1404	lime, rock and little sand

R. C. Avent et al. — Chickasaw Lmbr. & Dev. Co. No. 1 (No. 253 on map)
(Continued)

1408	sand
1433	lime rock
1450	gumbo
1457	sand, gravel and lime
1480	lime rock
1482	gumbo and little shells
1495	lime rock
1512	sands and alternating lime rock
1540	gumbo, limy
1584	gumbo, sandy
1590	sand
1592	gumbo
1606	sand and lime
1655	gumbo, sandy, lime and few pebbles
1674	gumbo, sandy
1676	shell
1723	sand, hard, shell, pebbles, lime
1770	lime rock
1772	gumbo
1773	lime rock
1774	gumbo
1890	lime rock, streaks sand and gumbo
1908	gumbo, limy
1949	lime and sandy shale
1980	lime and sand
2055	lime rock, streaks of fine sand, sandy gumbo and shell
2058	sand, very fine
2074	gumbo, limy
2137	sand, gumbo, shale and shell
2168	shale, shell and sand
2174	lignite
2180	shale, sandy, with few shells and little lime
2185	lignite
2198	shale, and shell and sand
2199	lignite
2208	shale, limy and shell
2209	lignite
2215	shale, limy
2220	lignite
2225	shale, limy
2240	shale, hard
2245	shale, limy
2260	sand rock
2268	shale, brittle and shells

R. C. Avent et al. — Chickasaw Lmbr. & Dev. Co. No. 1 (No. 253 on map)
(Continued)

- 2274 sand rock
- 2283 shell, brittle, and shale, little lignite
- 2285 rock, hard
- 2317 shale and shell, hard
- 2323 shale, limy, gas at 2300'
- 2325 lime rock
- 2334 shale, limy and shell
- 2338 lime rock
- 2356 shale, hard and shell with very fine sand
- 2367 shale, sandy
- 2376 shale, hard, limy, little very fine sand
- 2383 lime
- 2391 gumbo
- 2395 sand, very fine
- 2398 gumbo
- 2400 shale and gumbo
- 2425 shale, sandy, and shell (3/6/26)
- 2465 shale, sandy, pyrite
- 2477 gumbo, few shells, fine sand
- 2492 shale, sandy, with few shells
- 2494 sand, very fine
- 2507 gumbo and shell
- 2545 shale, sandy, few shells and pyrite
- 2546 rock
- 2568 shale, sandy, few shells
- 2570 gumbo
- 2579 shale, sandy, few shells, pyrite
- 2597 shale, little shells
- 2612 shale, sandy, little shells
- 2616 shale and little shells
- 2617 gumbo
- 2622 gumbo, sandy, little pyrite
- 2625 gumbo
- 2645 shale and gumbo
- 2659 shale, sandy, little shells, pyrite
- 2661 shell, hard
- 2667 shale, brown, sandy
- 2672 shale, hard
- 2693 shale, sandy brown, few shells
- 2700 shell, hard
- 2716 shale, sandy, few shells
- 2721 gumbo
- 2750 shale
- 2761 gumbo and shale

R. C. Avent et al. — Chickasaw Lmbr. & Dev. Co. No. 1 (No. 253 on map)
(Continued)

2790	shale and small shells
2794	sand rock
2796	shale
2797	gumbo
2807	shale, sandy
2814	sand, hard
2821	shale, sandy, brown
2865	sand
2871	shale, sandy (gas, salt water and oil show at 2850')
2876	rock
2896	hard gummy shale, little sand and shells
2904	gumbo and shale
2920	shale, sandy, shell pyrites of iron
2924	hard shell
2927	sand
2958	shale, brittle and shell
2978	shale, gummy
2998	shale, brittle and shale
3004	shale, sandy
3020	gumbo
3023	shale, hard
3035	shale, brittle, little fine sand
3040	sandy brown shale
3052	shale, brittle with fine sand
3060	shale, sandy
3062	shale, hard
3095	shale, sandy
3104	gumbo
3111	shale, sandy
3121	shale (gas below this ?)
3139	sand
3282	shale, sandy, with sand and shells
3285	sand
3355	shale, gummy
3356	rock
3504	shale, gummy
3508	shale
3660	shale, gummy
3670	shale
3700	shale, shells and fine boulders
3706	shale, gummy
3711	sand rock

TOTAL DEPTH

R. C. Avent et al. — Chickasaw Lmbr. & Dev. Co. No. 1 (No. 253 on map)
(Continued)

SUMMARY

Miocene	94-1723
Oligocene	1723-2055
Jackson	2055-2240
Tallahatta	2240-2383
Wilcox	2383-3052
Midway	3052-3504
Clayton or Ripley (?)	3504-T.D.

R. C. Agent et al. — Chickasaw No. 2 (No. 254 on map)

Located: 150' East of Well No. 1, Section 27, Twp. 3 S., Rge. 1 W.

Began: ? ?

Completed: 11-24-1927

Elevation: ?

Casing Record: ? ?

0-	15	black land marsh
	21	clay
	94	sand and gravel
	97	gumbo
	117	sand and gravel
	132	gumbo and gravel
	160	gumbo
	310	sand, shale and pyrites of iron
	314	gumbo
	328	gumbo and shale
	328½	sand rock
	350	gumbo
	380	very fine sand
	385	shell and lignite
	420	gumbo
	475	sandy, gumbo with little shells, lignite and gravel
	488	very fine sand
	500	gumbo
	508	lime and brown shale
	552	sand, shale, shells with little pyrite of iron
	565	gumbo
	570	sand
	583	sandy gumbo
	589	gumbo
	615	sand and shells

R. C. Avent et al. — Chickasaw No. 2 (No. 254 on map)—(Continued)

617	gumbo
660	sand and shells
714	sand, gravel and shells
729	sandy gumbo, little shells
761	lime gumbo and shale
801	gumbo
828	water and sand
903	sandy gumbo
920	gumbo
966	sand and gas
1000	sandy gumbo
1010	sand
1029	gumbo and shale
1052	gumbo
1059	sand
1069	gumbo
1072	sand
1078	gumbo
1092	sand
1094	sand rock
1100	gumbo
1130	sand and shells
1136	sand rock
1158	sand, lime and iron
1161	sand rock
1172	gumbo
1180	sand, lime, shells
1185	sand rock
1196	sand
1220	gumbo
1262	coarse water sand
1330	sand and pebbles
1332	gumbo
1395	lime rock little sand
1404	lime, rock and little sand
1408	sand
1433	lime rock
1450	gumbo
1457	sand, gravel and lime
1478	lime rock
1480	lime rock
1482	gumbo and little shells
1495	lime rock
1497	sandy gumbo
1498	lime rock

R. C. Avent et al. — Chickasaw No. 2 (No. 254 on map)—(Continued)

1501	sand
1503	lime rock
1506	sand
1509	lime rock
1512	sand
1540	limey gumbo
1584	sandy shale
1590	sand
1592	gumbo
1606	sand and lime
1655	sandy gumbo lime and few pebbles
1674	sandy gumbo
1676	shells
1712	hard sand, shells and pebbles
1723	hard sand, shells and lime
1770	lime rock
1772	gumbo
1773	lime rock
1774	gumbo
1800	lime rock
1828	lime rock with streaks of sandy gumbo
1840	lime rock
1890	lime rock with streaks of sandy gumbo
1908	limy gumbo
1949	lime and sandy shale
1980	lime and sand
2016	lime rock
2027	lime rock with little streaks of sand
2046	lime rock with little streaks of sandy gumbo and shells
2055	lime rock with streaks of fine sand
2058	very fine sand
2074	limy gumbo
2137	sand, gumbo, shale, shells
2168	shells, shale and sand
2174	lignite
2180	sandy shale with few shells and little lime
2198	shale, shells and sand
2199	lignite
2208	limy shale and shells
2209	lignite
2215	limy shale
2220	lignite
2225	limy shale
2240	hard shale
2246	limy shale

R. C. Avent et al. — Chickasaw No. 2 (No. 254 on map)—(Continued)

- 2260 sand rock
- 2268 brittle shale and shells
- 2274 sand rock
- 2283 brittle shells and shale and little lignite
- 2285 hard rock
- 2317 hard shales and shells
- 2323 limy shale
- 2325 lime rock
- 2334 limy shale and shells
- 2338 lime rock
- 2356 hard shale and shells with very fine sand
- 2367 sandy shale
- 2376 hard limy shale with very little fine sand
- 2383 lime
- 2391 gumbo
- 2395 very fine sand
- 2398 gumbo
- 2400 shale and gumbo
- 2425 sandy shale and shells
- 2465 sandy shale, pyrites of iron with little shells
- 2477 gumbo few shells, fine sand
- 2492 very fine sand
- 2507 gumbo and shale
- 2545 sandy shale, few shells and pyrites of iron
- 2546 rock
- 2568 sandy shale, few shells, pyrites of iron
- 2570 gumbo
- 2579 sandy shale few shells, pyrites of iron
- 2597 shale little shells
- 2612 sandy shale, little shells
- 2616 shale and little shells
- 2617 gumbo
- 2622 sandy gumbo, little pyrites of iron
- 2625 gumbo
- 2631 sandy gumbo
- 2645 shale and gumbo
- 2659 sandy shale, and little shells, pyrites of iron
- 2661 hard shells
- 2667 sandy brown shale
- 2672 hard shells
- 2693 sandy brown shale few shells
- 2700 hard shells
- 2716 sandy shales few shells
- 2721 gumbo
- 2750 shale

R. C. Avent et al. — Chickasaw No. 2 (No. 254 on map)—(Continued)

2761 gumbo and shale
2790 shale and small shells
2794 sand rock
2797 gumbo
2807 sandy shale
2815 hard sand
2821 sandy brown shale
2865 sand
2871 sandy shale
2876 rock
2896 hard gummy shells, little sand and shells
2904 gumbo and shale
2920 sandy shale, shell pyrites of iron
2924 hard shells
2927 sand
2958 brittle shale and shells
2978 gummy shale
2998 brittle shale and shells
3004 sandy shale
3020 gumbo
3023 hard shale
3035 brittle shale, little fine sand
3040 sandy brown shells
3052 brittle shale with fine sand
3060 sandy shale
3063 hard shale
3095 sandy shale
3104 gumbo
3111 sandy shale
3121 shale
3139 sand
3154 sandy shale
3157 sand

TOTAL DEPTH.

Mobile Oil Company — Coden No. 1 (No. 260 on map)

Located: SW/Cor. of SW/4, Sec. 31, T. 4 S., R. 1 W.

Began: ?

Completed: 12-22-1902

Elevation: ?

Casing Record: ?

- 0- 15 upper soil
- 25 blue clay
- 27 lignite
- 102 blue clay and sand
- 117 coarse white sand
- 152 gravel
- 174 stiff blue clay
- 180 blue sand
- 202 blue shale and shells
- 254 blue clay
- 259 sand
- 274 blue clay
- 320 coarse white sand
- 340 blue shale and shells
- 375 blue shale
- 378 sandstone
- 379 gravel
- 394 gumbo
- 404 blue sand
- 409 blue shale
- 454 blue sandy clay
- 477 blue clay
- 492 sand
- 521 blue shale
- 531 sand
- 571 blue shale
- 576 gravel
- 626 blue shale
- 628 blue shale and shells
- 648 blue clay
- 670 sand
- 672 blue shale and lignite
- 692 blue shale and rotten shells
- 712 sand and shells
- 731 shale
- 751 gumbo
- 780 shale and shells
- 810 blue clay
- 815 white sand
- 840 gumbo

Mobile Oil Company — Coden No. 1 (No. 260 on map)

(Continued)

899	sand, salt water and gas
946	gravel
967	gray clay
984	blue clay
1007	shale and shells
1030	sand
1059	blue clay
1070	blue shale
1092	blue clay
1094	conglomerate pebbles
1110	hard blue shale
1169	sand rock and gumbo alternating
1173	sand rock and gas
1196	blue clay and lignite
1200	hard rock
1212	gumbo
1214	rock
1224	gumbo and lignite
1231	rock
1236	fine sand
1238	rock
1246	blue clay and shell
1258	gumbo
1283	shale
1285	rock
1308	gumbo
1353	shale
1438	gumbo
1440	limestone, blue
1452	limestone and shale
1459	lime rock
1519	sand and shells, gas and salt water
1526	limestone

TOTAL DEPTH

SUMMARY

Top Miocene152'

Mobile Oil Company — ? No. 1 (No. 263 on map)

Located: South of the City of Mobile, Sec. 32, Twp. 4 S., Rge. 2 W.

Began: ??

Completed: 1918

Elevation: ??

Casing Record: 6" @ 208'

0-	60	clay
105		sand and gravel
190		gumbo
215		sand
340		gumbo
410		sand
546		gumbo
720		gumbo and shale
760		sand and gravel
762		shell
870		gumbo and shale
900		sand
1060		gumbo and shale
1063		shell
1102		gumbo and shale
1180		sand
1182		shell
1260		gumbo
1300		sand rock
1450		gumbo shale and boulders
1500		sand rock and gumbo
1560		shale
1590		sand rock and gumbo
1595		shell
1615		shale and gumbo
1665		gumbo
1700		sand rock
1760		shale
1840		gumbo
1860		shale
1870		gyp 3" shell rock
1890		oil sand with oil showing

1892 TOTAL DEPTH.

Foster and Foster (L. G. Adams et al), Clarke Davis No. 1 (No. 264 on map)

Located: 150' Northeast of NW/4 NE/4 Sec. 5, Twp. 5 S., Rge. 2 W.

Began: 1-10-1927

Completed: 4-5-1927

Elevation: 133'

Casing Record: 12" @ 450'

8" @ 1355'

3" @ 1988'

0- 30 sand and clay
70 clay
95 sand
160 gravel and sand
171 chalk
190 soft sand
270 sand
330 shale and gumbo
350 gummy shale
368 soft sand
384 gumbo
418 sand and gravel
500 shale and gravel
520 sand and shells
550 chalk
552 sand
730 gummy shale
745 gumbo
760 lignite
782 shale and shells
1110 sand and shells
1160 sand
1240 shale
1260 gumbo
1275 shale
1276 blue sand, cored
1390 sand
1430 gumbo
1431 shell rock
1480 gummy shale
1530 gumbo
1542 sand
1543 shell rock
1615 gumbo
1616 shell rock
1730 sand, cored
1820 sandy shale, cored
1856 gumbo

Foster and Foster (L. G. Adams et al), Clarke Davis No. 1 (No. 264 on map)
(Continued)

- 1858 shell rock
- 1892 sticky shale
- 1898 hard sand
- 1916 gumbo
- 1962 chalk, cored
- 1978 sand and shale
- 1990 water sand, cored
- 2000 gumbo
- 2022 sandy chalk
- 2030 hard sandy chalk
- 2031 soft sandy chalk
- 2084 chalk
- 2100 gumbo
- 2104 sand, cored, took 2 cores, missed one
- 2150 chalk and shells, cored
- 2285 gumbo
- 2290 chalk, cored
- 2350 shale and chalk
- 2376 sandy lime
- 2384 salt water sand, cored (2 cores)
- 2405 hard sandy lime
- 2430 sandy lime
- 2445 lime and chalk
- 2475 lime, shells and chalk
- 2505 lime and chalk
- 2525 sandy lime
- 2533 shale, lime, cored
- 2568 lime and shells
- 2570 gumbo
- 2615 gumbo with shale breaks
- 2700 gumbo
- 2704 hard shale
- 2775 hard shale and gumbo
- 2795 hard shale, cored, salty
- 2825 sandy shale, and pyrites
- 2865 shale, cored
- 2950 gumbo and pyrites
- 3070 gumbo with breaks, sticky shale breaks with shell and rock.
- 3260 gumbo
- 3262 rock
- 3340 gumbo
- 3365 gumbo with small shale breaks
- 3400 gumbo with shale breaks
- 3440 gumbo

Foster and Foster (L. G. Adams et al), Clarke Davis No. 1 (No. 264 on map)
(Continued)

3442 rock
3444 sand, salt water, cored
3455 sand, salt water
3526 gumbo, shale and shells
3570 gumbo and shale
3600 gumbo
3670 gumbo, black shale with sea shells
3680 black shale and shells gummy
3700 black shale
3760 shale
3840 gumbo
3880 gumbo and shale
3890 gumbo
3892 sand and brown shale, cored
3910 sandy shale
3912 rock
3915 sand, white, brown shale, streaks, cored
3930 sandy shale
3970 gumbo
4060 black shale and gumbo
4064 shale, black hard
4084 gumbo, tough
4086 shale, cored
4090 shale
4100 gummy lime
4106 hard green sand with shells and black specks

TOTAL DEPTH

SUMMARY

Miocene	0-2150
Oligocene	2150-2568
Wilcox (?)	3190-3760
Midway (?)	3760-4100
Ripley (?)	4100-T.D.

Mobile Oil Company — ?? No. 2 (No. 265 on map)

Located: Sec. 33, Twp. 4 S., Rge. 2 W.

Began: 1919

Completed: 1-2-1920

Elevation: ? ?

Casing Record: 8" @ 1848'

6" @ 2660'

0-	15	surface
	25	clay
	46	sand
	60	clay
	75	gumbo
	130	sand
	155	gumbo
	185	sand
	280	gumbo
	295	sand
	335	shale, sandy
	387	gumbo
	411	sand and shale
	436	gumbo
	560	sand
	585	gumbo
	665	sand
	699	gumbo
	740	shale
	765	sand
	800	pink sand and sandy shale
	833	sand
	918	sand, pink
	939	gumbo
	1120	sand, pink and boulders
	1142	gumbo
	1304	shale, sandy
	1312	shell
	1382	sand, pink and boulders
	1387	shell
	1472	gumbo
	1474	shell
	1492	sand and boulders
	1534	gumbo
	1540	shell
	1580	gumbo
	1586	shell
	1613	sand
	1616	sand and boulders

Mobile Oil Company — ?? No. 2 (No. 265 on map)—(Continued)

- 1643 sand
- 1645 boulders
- 1670 gumbo
- 1705 rock
- 1709 gumbo
- 1786 shale
- 1802 gumbo
- 1809 sand
- 1846 sand with soft streak, oil showing
- 1848 rock (set 2" casing)
- 1851 oil rock
- 1860 dark rock with soft streaks, heavy, oil show
- 1863 shale
- 1881 sand rock with soft streaks, a fine sandy shale predominating in soft streaks
- 1883 rock, dark
- 1893 gumbo
- 1895 shell
- 1940 chalk rock
- 1942 shell
- 1948 shale, black
- 1970 chalk, rock
- 1981 shale
- 1986 shale, hard sandy
- 2006 boulders
- 2008 shell
- 2030 boulders
- 2040 chalk rock
- 2047 sand rock
- 2073 gumbo, dark brown, almost black
- 2092 sand ,salt water
- 2112 gumbo
- 2157 shale
- 2218 gumbo
- 2221 shale
- 2234 boulders
- 2250 gumbo
- 2265 shale
- 2270 shell
- 2279 gypsum
- 2305 sand rock, gas showing
- 2310 sand rock, hard
- 2360 lime rock, hard
- 2365 shale
- 2380 boulders

Mobile Oil Company — ?? No. 2 (No. 265 on map)—(Continued)

- 2443 lime rock, hard—white
- 2471 shale
- 2510 lime rock
- 2514 gumbo
- 2550 boulders
- 2606 shale and boulders
- 2638 shale, sticky
- 2642 sand, water
- 2660 shale, hard
- 2693 (Set 6" casing at 2660') shale, hard with soft streaks
- 2704 gumbo
- 2735 shale, sandy, with thin strata lime streaks
- 2737 lime
- 2754 shale and lime
- 2758 gumbo
- 2772 lime and gumbo

(No log further than this. Well drilled to 3030'—known to be 10' in lime rock)

SUMMARY

Miocene	0-2310
Oligocene	2310-2510
Eocene	2510-T.D.

B. L. McClanahan — Stafford No. 1 (No. 269 on map)

Located: 330' N. & 150' W. of SE/Cor. of NW/4 of SW/4 of Sec. 24, T. 7 S., R. 3 W.

Began: 3-6-1940

Completed: 8-30-1940

Elevation: 16'

Csg. Record: 16" @ 30'
10" @ 715'

0-

- 180 sand
- 500 sand and boulders
- 715 shale and shells
- 910 sand and shale, blue
- 912 sandstone
- 1146 water sand and boulders
- 1166 sand

B. L. McClanahan — Stafford No. 1 (No. 269 on map)—(Continued)

1400	broken shells and sand
1550	shale
1552	rock
1585	hard sandy shale
1633	shale and streaks of sand
1750	sand, shale
1753	chalk
1841	shale and sand
2156	sandy shale
2308	sticky shale
2400	water sand
2431	sticky shale
2451	shale
2496	broken lime
2543	shale
2725	hard sandy lime
2851	lime and shale
2906	lime and chalk
2956	chalk and lime
3150	lime and shale
3190	shale and lime
3302	lime
3401	lime and shale
3423	shale and lime
3490	lime and shale
3525	shale and sand
3645	shale and lime shells
3816	lime and shale
3991	sandy shale
4116	shale and shells
4254	shells and black shale
4356	shale and shells
4490	shells and sandy lime
4495	sandy lime
4521	sandy lime and shells
4614	lime, shells—22' sand, gas and oil show
4746	lime shells and shale
4916	black shale and lime
4998	lime, shale
5069	shale and lime
5186	lime and shale
5241	shale and lime
5256	lime and streaks of sand
5271	sand
5276	sand lime

B. L. McClanahan — Stafford No. 1 (No. 269 on map)—(Continued)

5296	lime
5372	sandy lime
5452	lime and shale
5492	shale and lime
5538	sandy lime
5540	sandy shale
5565	shale and chalk
5577	chalk and sandy shale
5626	sandy shale
5673	shale and chalk
5683	lime and shale
5734	shale and lime
5795	lime and shale
5800	lime
5863	lime and shale
5929	chalk and shale
6071	chalk
6119	chalk and shale
6180	shale and chalk
6420	chalk and shale
6470	black shale
6541	shale, black

Log not available at present from 6541' to 6707'

Total Depth—6707'

SUMMARY

Top Pascagoula	560'
Top Hattiesburg	1450
Top Catahoula	1750
In Heterostegina	2850
Top Vicksburg	3190
Top Jackson	3400
Top Claiborne	3490
Top Midway	?
Top Wilcox	?
Top Selma	5886

J. C. Prine — C. H. M. King No. 1 (No. 270 on map)

Located: Approx. 1320' W. & 200' S. of NE/Cor. of Sec. 4, T. 1 N., R. 4 W.

Began: 7-21-1935

Completed: 1-1-1936

Elevation: 123'

Csg. Record: 12½" @ 528'
6" @ 1575

- 0- 19 surface sand and clay
- 26 sand and gravel
- 335 sand, shale and gumbo
- 405 blue sand, shale and gumbo
- 455 gumbo and shale
- 482 water sand
- 487 gumbo
- 516 broken lime and shale
- 520 set 10" casing
- 679 blue shale and gumbo
- 814 gumbo and shale
- 850 sandy shale with hard streaks
- 914 broken lime and shale
- 960 shale, gumbo & streaks lime
- 1000 hard lime and broken sand
- 1050 broken lime
- 1089 broken lime, some shale and gumbo
- 1103 shale and lime
- 1236 shale and lime, bottom very hard
- 1301 broken lime, hard sand and shale
- 1360 blue shale and gumbo
- 1370 broken lime and shale, some coal or lignite, oily
- 1380 blue shale and gumbo
- 1400 blue shale and gumbo, went into broken lime
- 1450 hard lime with breaks of gray shale, boulders & sand
- 1500 hard chalk with gray shale and boulders
- 1528 hard chalk (side tracked at 1528)
- 1575 chalk, broken hard streaks and shale streaks
- 1600 hard chalk streaks, gray and green sandy shale
- 1620 streaks hard lime and gray sandy shale
- 1675 chalky lime with little fossils
- 1735 hard chalky lime
- 1800 chalky lime rock with breaks
- 1815 chalk with little breaks
- 1820 brown gumbo and green shale with shell—cored
- 1894 green sandy shale with shells and streaks chalky lime
- 1900 brown shale and gumbo with breaks of chalky lime
- 1955 sticky gumbo and blue shale
- 2000 blue shale and streaks of chalky lime and brown sandy shale

J. C. Prine — C. H. M. King No. 1 (No. 270 on map)—(Continued)

- 2020 green shale, streaks of lime and hard lime breaks
- 2067 blue shale, streaks of hard lime
- 2134 green and brown shale with streaks of hard lime
- 2265 blue shale and shells, breaks brown sandy shale
- 2342 blue shale, streaks of gumbo with 4' hard rock at bottom
- 2345 1-½' of rock and 1-¼' sandy shale and gumbo-cored
- 2389 dark shale and some sand
- 2460 sandy shale
- 2463 hard lime rock
- 2485 sandy shale and shells
- 2545 blue shale and gumbo
- 2596 gray sandy shale and streaks blue shale
- 2601 lime
- 2610 dark shale with lime breaks
- 2690 dark sandy shale with chalky breaks
- 2740 dark sandy shale and gumbo
- 2834 dark shale and gumbo
- 2836 lime rock - cored
- 2839 sand and shale - cored
- 2878 no record
- 2944 dark sandy shale, streaks of gumbo
- 2950 rock, sand and sandy shale
- 2956 dark slate, shale - cored
- 3002 dark slaty shale, hard gray sandy shale, streaks of lime
- 3008 chalky lime, streaks sticky chalky shale
- 3120 no record
- 3137 dark sticky gumbo
- 3144 hard lime
- 3167 broken formation
- 3173 black, slaty shale - cored
- 3186 TOTAL DEPTH

U. S. Government: Water Well

Located: Sec. 7, T. 9 S., R. 1 W.—East End of Dauphin Island, Fort Gaines

Began: ?

Completed: 11-12-1903

Elevation: ?

Casing Record: ?

- 0- 10 white sand
- 70 black sand
- 76 blue sand
- 171 white sand

U. S. Government: Water Well—(Continued)

191 blue clay
 232 white sand
 277 blue sand, very fine
 312 blue clay
 342 blue sand
 352 blue clay
 354 limestone
 409 gray sand, salt water
 414 sandstone, very hard
 419 gravel
 449 gumbo clay
 559 gray sand
 619 blue clay
 669 blue sand
 679 gravel
 824 blue clay
 919 water bearing sand
 TOTAL DEPTH

SUMMARY

Top Miocene 679'

Mobile Brewery Company — Water Well No. 1

Located: Sec. 22, T. 4 S., R. 1 W.

Began: ?

Completed: 12-(?)-1894

Elevation: ?

Casing Record: ?

0- 90 coarse sand, with fragments of oyster shells
 100 fine sand
 130 coarse sand and pebbles
 300 muddy sand
 450 same, with finer particles and plastic
 490 same, compactness increasing
 580 arenaceous sediment difficult boring
 625 sediment, still more plastic, very fine
 660 material remains unchanged
 700 strata of indurated clay, coarse sand, abounding in small bivalves,
 small flow of water
 800 first 30 ft. encountered heavy flow of water, estimated 300 gallons
 per minute, with increase to 500 gal. in 2 days
 TOTAL DEPTH

SUMMARY

Top Miocene 130'

ALABAMA OIL AND GAS CONSERVATION LAW

No. 645

AN ACT

(S 364 - Young)

To conserve Crude Petroleum Oil and Natural Gas; to create a State Oil and Gas Board, and to define its powers and duties; to provide for and designate a State Oil and Gas Supervisor and to define his powers and duties; to authorize such board to promulgate rules and regulations for the enforcement of the provisions of the act, and to conserve oil and gas; to provide penalties for the violation of the provisions of the act or the regulations promulgated thereunder; to repeal Section 5085, 5086, 5087, 5088, 5089, 5090, 5091, 5092, 5093, 5094, 5095, 5096, and 5097 of the 1923 Code of Alabama; and to repeal all other laws and parts of laws in conflict with this Act.

BE IT ENACTED BY THE LEGISLATURE OF ALABAMA:

Section 1. There is hereby created and established a board to be known as the State Oil and Gas Board to be composed of the Governor, the Attorney General and the Director of Conservation. The State Geologist shall ex-officio be the State Oil and Gas Supervisor, and shall perform all of the duties, and is hereby vested with all of the powers imposed upon and vested in the State Oil and Gas Supervisor under and by the terms and provisions of this Act.

Section 2. The State Oil and Gas Supervisor shall be charged with the duty of enforcing this Act and all rules, regulations and orders promulgated by said Board.

Section 3. Two members of the Board shall constitute a quorum, but two affirmative votes shall be necessary for the adoption or promulgation of any rule, regulation or order of the Board.

Section 4. Unless the context otherwise requires, the words defined in this section shall have the following meaning when found in this Act: (a) "Board" shall mean the State Oil and Gas Board as created by Section 1 hereof. (b) "Person" shall mean any natural person, corporation, association, partnership, receiver, trustee, guardian, executor, administrator, fiduciary or representative of any kind. (c) "Oil" shall mean crude petroleum oil, and other

hydrocarbons, regardless of gravity, which are produced at the well in liquid form by ordinary production method. (d) "Gas" shall mean all natural gas, including casing-head gas, and all other hydrocarbons not defined as oil in subsection (c) above. (e) "Pool" shall mean an underground reservoir containing a common accumulation of crude petroleum oil or natural gas or both. Each zone of the general structure which is completely separated from any other zone in the structure is covered by the term "pool" as used herein. (f) "Field" shall mean the general area which is underlain or appears to be underlain by at least one pool; and "Field" shall include the underground reservoir or reservoirs containing crude oil or natural gas, or both. The words "Field" and "Pool" mean the same thing when only one underground reservoir is involved; however, "Field", unlike "Pool", many relate to two or more pools. (g) "Waste", in addition to its ordinary meaning, shall mean "physical waste" as that term is generally understood in the oil and gas industry. It shall include: (1) underground waste and inefficient, excessive, or improper use or dissipation or reservoir energy, including gas energy and water drive, of any pool; and the locating, spacing, drilling, equipping, operating, or producing of any oil well or gas well in a manner which results or tends to result in reducing the quantity of oil or gas ultimately recoverable from any pool; and (2) surface waste and the inefficient storing of oil and the locating, spacing, drilling, equipping, operating or producing of oil wells or gas wells in a manner causing or tending to cause unnecessary or excessive surface loss or destruction of oil or gas. (h) "Owner" shall mean the person who has the right to drill into and to produce from any pool, and to appropriate the production either for himself or for himself and another, or others. (i) "Producer" shall mean the owner of a well or wells capable of producing oil or gas, or both, in paying quantities.

Section 5. The production or handling of crude petroleum oil or natural gas in such manner or under such conditions as to constitute or result in waste as herein defined is each hereby prohibited.

Section 6. (a) The Board shall have jurisdiction and authority of and over all persons and property necessary to enforce effectively the provisions of this Act and all other Acts relating to the conservation of oil and gas. (b) The Board shall have the authori-

ty and it shall be its duty to make such inquiries as it may think proper to determine whether or not waste, over which it has jurisdiction, exists or is imminent. In the exercise of such power the Board shall have the authority to collect data; to make investigations and inspections; to examine properties, leases, papers, books and records including drilling records and logs; to examine, check, test and gauge oil and gas wells, tanks, refineries and modes of transportation; to hold hearings; and to provide for the keeping of records and the making of reports; and to take such action as may be reasonably necessary to enforce this Act. (c) The Board shall have the authority to make, after hearing and notice as hereinafter provided, such reasonable rules, regulations and orders as may be necessary from time to time in the proper administrative and enforcement of this Act, including rules, regulations and orders for the following purposes: (1) To require the drilling, casing and plugging of wells to be done in such a manner as to prevent the escape of oil or gas out of one stratum to another; to prevent the intrusion of water into oil or gas strata; to prevent the pollution of fresh water supplies by oil, gas or salt water; and to require reasonable bond conditioned for the performance of the duty to plug each dry or abandoned well. (2) To require the person desiring or proposing to drill any well in search of oil or gas, before commencing the drilling of any such well, to notify the State Geologist upon such form as the State Geologist may prescribe and to pay to the State Treasurer a fee of \$25.00 for each such well. The drilling of any well is hereby prohibited until such notice is given and such fee has been paid as herein provided. The State Geologist shall have the power and authority to prescribe that the said form indicate the exact location of such well, the name and address of the owner, operator, contractor, driller, and any other person responsible for the conduct of drilling operations, the proposed depth of the well, the elevation of the well above sea level, and such other relevant information as the State Geologist may deem necessary or convenient to effectuate the purposes of this Act. All funds paid to the State Treasurer pursuant to the provisions of this section shall be disbursed by the State Treasurer upon warrants drawn by the State Geologist for the purpose of defraying expenses incurred by the State Geologist in the performances of his duties under this Act. (3) To require the filing of logs, including electrical logs, and drilling records, and the lodgment in the office of the State

Geologist of typical drill cuttings or cores, if cores are taken, within six months from the time of the completion of any well. (4) To prevent wells from being drilled, operated, and produced in such a manner as to cause injury to neighboring leases or property. (5) To prevent the drowning by water of any stratum or part thereof capable of producing oil or gas in paying quantities, and to prevent the premature and irregular encroachment of water which reduces, or tends to reduce, the total ultimate recovery of oil or gas from any pool. (6) To require the operation of wells with efficient gas-oil ratios, and to fix such ratios. (7) To prevent "blow outs", "caving" and "seepage" in the same sense that conditions indicated by such terms are generally understood in the oil and gas business. (8) To prevent fires. (9) To identify the ownership of all oil and gas wells, producing leases, refineries, tanks, plants, structures, and all storage and transportation equipment and facilities. (10) To regulate the "shooting" and chemical treatment of wells. (11) To regulate secondary recovery methods, including the introduction of gas, air, water, or other substance into producing formations. (12) To regulate the spacing of wells. (13) Nothing in this act shall be construed as authorizing the Board to limit the production of any well or pool or field until such time as the total average daily production of the State shall exceed 50,000 barrels per day for a period of 90 consecutive days.

Section 7. (a) The Board shall prescribe its rules of order or procedure in hearings or other proceedings before it under this Act. (b) No rule, regulation or order, including change, renewal or extension thereof, shall, in the absence of an emergency, be made by the Board under the provisions of this Act except after a public hearing upon at least ten day's notice given in the manner and form as may be prescribed by the Board. Such public hearing shall be held at such time, place and in such manner as may be prescribed by the Board, and any person having any interest in the subject matter of the hearing shall be entitled to be heard. (c) In the event an emergency is found to exist by the Board which in its judgement requires the making, changing, renewal or extension of a rule, regulation or order without first having a hearing, such emergency rule, regulation or order shall have the same validity as if a hearing with respect to the same had been held after due notice. The emergency rule, regulation or order permitted by this subsection shall remain in force no longer than fifteen days from

its effective date, and, in any event, it shall expire when the rule, regulation or order made after due notice and hearing with respect to the subject matter of such emergency rule, regulation or order becomes effective. (d) All rules, regulations and orders made by the Board shall be in writing and shall be entered in full by the State Oil and Gas Supervisor in a book to be kept for such purpose by the Board, which shall be a public record and open to inspection at all times during reasonable office hours. A copy of such rule, regulation or order, certified by such Supervisor of the Board, shall be received in evidence in all courts of this state with the same effect as the original. (c) Any interested person shall have the right to have the Board call a hearing for the purpose of taking action in respect to any matter within the jurisdiction of the Board by making a request therefor in writing. Upon the receipt of such request the Board promptly shall call a hearing thereon, and, after such hearing, and with all convenient speed and in any event within thirty (30) days after the conclusion of such hearing, shall take such action with regard to the subject matter thereof as it may deem appropriate.

Section 8. (a) The Board, or any member thereof, is hereby empowered to issue subpoenas for witnesses, to require their attendance and the giving of testimony before it, and to require the production of books, papers and records in any proceeding before the Board as may be material upon questions lawfully before the Board. Such subpoenas shall be served by the sheriff or any other officer authorized by law to serve process in this state. No person shall be excused from attending and testifying, or from producing books, papers and records before the Board or a court, or from obedience to the subpoena of the Board or a court, on the ground or for the reason that the testimony or evidence, documentary or otherwise, required of him may tend to incriminate him or subject him to a penalty or forfeiture; provided, that nothing herein shall be construed as requiring any person to produce any books, papers or records, or to testify in response to any inquiry, not pertinent to some question lawfully before such Board or court for determination. No natural person shall be subjected to criminal prosecution or to any penalty or forfeiture for or on account of any transaction, matter or thing concerning which he may be required to testify or produce evidence, documentary or otherwise, before the Board or court, or in obedience to its subpoena; provided, that no person

testifying shall be exempt from prosecution and punishment for perjury committed in so testifying. (b) In case of failure or refusal on the part of any person to comply with any subpoena issued by the Board or any members thereof, or in case of the refusal of any witness to testify or answer to any matter regarding which he may be lawfully interrogated, any circuit court in this state, on application of the Board, may in term time or vacation, issue an attachment for such person and compel him to comply with such subpoena and to attend before the Board and produce such documents, and give his testimony upon such matters, as may be lawfully required, and such court shall have the power to punish for contempt as in case of disobedience of like subpoenas issued by or from such court, or for a refusal to testify therein.

Section 9. Any interested person affected by this Act or by any rule, regulation or order made or promulgated by the Board hereunder and who may be dissatisfied therewith shall have the right to file a suit in a court of competent jurisdiction against the Board or the members thereof as defendants to test the validity of any provision of this Act or any rule, regulation or order made or promulgated hereunder. Such suit shall be advanced for trial and be determined as expeditiously as feasible, and no postponement or continuance thereof shall be granted except for reasons deemed imperative by the Court. In such trials, the burden of proof shall be upon the party complaining of the validity of this Act or any provision thereof or any rule, regulation or order made or promulgated hereunder and any such rule, regulation or order so complained of shall be deemed *prima facie* valid.

Section 10. (a) No temporary restraining order or injunction of any kind shall be granted against the Board or the members thereof, or against the attorney general, or any circuit solicitor or against any agent, employee or representative of the Board, restraining the Board, or any of its members, or any of its agents, employees or representatives or the attorney general or any circuit solicitor, from enforcing any of the provisions of this Act, or any rule, regulation or order made hereunder, except after due notice to the members of the Board and to all other defendants, and after a hearing at which it shall be clearly shown to the court that the act done or threatened is without sanction of law, and that, if enforced against the complaining party, will cause an irreparable injury. The order or decree of the court granting temporary in-

junctive relief shall state the nature and extent of the probable invalidity of any provision of this Act, or of any rule, regulation or order made hereunder, involved in such suit, and shall also contain a clear statement of the probable damage relied upon by the court as justifying the temporary injunctive relief. (b) No temporary injunction of any kind, including a temporary restraining order, against the Board or the members thereof, or its agents, employees, or representatives, or the attorney general, or any circuit solicitor shall become effective until the plaintiff shall execute a bond to the state with sufficient surety in an amount to be fixed by the court, reasonably sufficient to indemnify all persons who may suffer damage by reason of the violation *pendente lite*, by the complaining party, of the provisions of this Act, or of any rule, regulation or order, complained of. Such bond shall be approved by the judge of the court in which the suit is pending, and the court may, from time to time, on motion and with notice to the parties increase or decrease the amount of the bond, and may require new or additional sureties as the facts may warrant. Such bond shall be for the use and benefit of all persons who may suffer damage by reason of the violations *pendente lite* of this Act, provision, rule, regulation or order complained of in such suit, any person so suffering damage may bring suit on such bond before the expiration of six months after any provision of this Act, or any rule, regulation or order complained of shall be finally held to be valid, in whole or in part, or such suit against the Board or the members thereof, shall finally be disposed of.

Section 11. Whenever it shall appear that any person is violating or threatening to violate any provisions of this Act, or any rule, regulation or order made hereunder, and unless the Board, without litigation, can effectively prevent further violation or threat of violation, then the Board, through the Attorney General, who may call to his assistance the Circuit Solicitor of the circuit in which suit is instituted, shall bring suit in the name of the State of Alabama against such person in the circuit court in the county of the residence of the defendant, or, if there be more than one defendant, in the circuit court of the county of the residence of any of them, or in the circuit court of the county in which such violation is alleged to have occurred, to restrain such person from continuing such violations or from carrying out the threat of violation. In such suit the Board, in the name of the State of Alabama, may ob-

tain such injunction, prohibitory and mandatory, including temporary restraining orders and temporary injunctions, as the facts may warrant.

Section 12. In any suit where the Board, in the name of the State, seeks enforcement of this Act, or any rule, regulation or order issued thereunder, as provided in Section 11 of this Act, or in any suit where an interested party seeks to test the validity of, or enjoin the enforcement of any prior issue of this Act, or any rule, regulation or order issued hereunder, as provided in Section 9 of this Act, either party shall have the right of an immediate appeal to the Supreme Court from any judgment or order therein granting or refusing an injunction whether temporary restraining order, temporary injunction, permanent injunction, or other character of injunctive relief, or from any order granting or overruling a motion to dissolve such injunction. The manner of presenting any appeal as herein provided shall be governed by the provisions of the laws of the State of Alabama regulating appeals in injunction proceedings.

Section 13. Nothing in this Act contained or authorized, and no suit by or against the Board and no penalties imposed or claimed against any person for violating any provision of this Act, or any rule, regulation or order issued hereunder, and no forfeiture, shall impair or abridge or delay any cause of action for damage which any person may have or assert against any person violating any provision of the Act, or any rule, regulation or order issued hereunder. Any person so damaged by the violation may sue for and recover such damages as he may show that he is entitled to receive. In the event the Board should fail to bring suit to enjoin any actual or threatened violation of any provision of this Act, or of any rule, regulation or order made hereunder, then any person or party in interest adversely affected by such violation, of threat thereof, and who has requested the Board to sue in the name of the State, may, to prevent any or further violations, bring suit, for that purpose in any court in which the Board could have brought suit. If, in such suit, the court holds that injunctive relief should be granted, then the State shall be made a party and shall be substituted by order of the court for the person who brought the suit, and the injunction shall be issued as if the State had at all times been the complaining party.

Section 13.1 The Oil and Gas Supervisor, with the concurrence of the Board shall have the authority, and it shall be his duty, to employ all necessary personnel to carry out the provisions of this act. Such personnel shall be employed under, and subject to, the provisions of the Merit System Act.

Section 13.2 For the purpose of defraying the expenses connected with the administration and enforcement of this act, including the expense of the inspections, tests, analyses and all other expenses connected with the supervision and protection of crude petroleum oil and natural gas in the State of Alabama, a charge of two per cent (2%) of the gross casinghead value of the crude petroleum oil or natural gas produced and sold from any well or wells in the State of Alabama shall be paid to the Department of Revenue, as herein provided.

Section 13.3 It shall be the duty of every person producing and selling crude petroleum or natural gas from any well or wells in the State of Alabama to keep and preserve such suitable records, of the amount of all such crude petroleum oil or natural gas produced and sold, as may be necessary to determine the amount of the charge for which he is liable under the provisions of this act. It shall be the further duty of every such person to file with the Department of Revenue, not later than the tenth day of each month, a return, verified by oath, showing the amount of crude petroleum oil or natural gas produced and sold during the preceding month, and to compute the amount of the tax charged against him in accordance with the provisions of this act, and to transmit to the office of the Department of Revenue with such return a remittance in the form required by the Department of Revenue, covering the tax chargeable against him. The return shall contain such other information and shall be in such form as the Department of Revenue shall designate.

Section 13.4 In the event that any collection of charges is improperly made in an effort to enforce the provisions of this act, either as a result of a mistake of law or fact, the amount so paid may be recovered in the same manner as is provided by law for the recovery of taxes erroneously paid directly to the Department of Revenue.

Section 13.5 Any person who fails to pay the charges herein levied within the time required by this act, shall pay, in addition to

such charge, a penalty of ten per cent (10%) of the amount of the charge due, together with interest thereon at the rate of one-half of one per cent ($\frac{1}{2}$ of 1%) per month, or fraction thereof, from the date at which the charge herein levied became due and payable, such penalty and interest to be assessed and collected as a part of the charge itself.

Section 13.6 Any person who fails to make the return herein required shall be given written notice by the Department of Revenue, by registered mail, to make such returns forthwith, and if such person fails or refuses to make such return or returns within thirty days from the date of such notice, then the Department of Revenue shall make the return for such person upon such information as it may reasonably obtain, and shall assess the charges due thereon, and shall add a penalty, for failure to make such return and payment, of twenty-five per cent (25%) of the charge due as assessed by the Department of Revenue, and interest at the rate of one-half of one per cent ($\frac{1}{2}$ of 1%) per month, or fraction thereof, from the date such charges were due. Provided, that the Department of Revenue, if a good and sufficient reason is shown for such delinquency, may waive or remit the twenty-five per cent (25%) penalty or a portion thereof.

Section 13.7 The charge herein imposed, together with all interest and penalties imposed by this act, shall be a lien upon the property of any person subject to the provisions of this act, and the provisions of the Revenue Laws of the State of Alabama applying to liens for license taxes shall apply fully to the charges herein imposed. Such charges, together with interest and penalties, shall constitute a debt due the State of Alabama and may be collected by civil suit, in addition to the methods herein provided.

Section 13.8 All moneys so collected shall be paid into the State Treasury and there kept separate from other State funds in a fund to be known as the 'Oil and Gas Fund'. Such 'Oil and Gas Fund' shall be expended by the Oil and Gas Supervisor, with the approval of the Governor, only for effectuating the purpose of this act.

Section 14. Any person of whom an oath or affirmation shall be required under the provisions of this Act, or by any rule, regulation or order of the Board, who shall wilfully swear or affirm falsely in regard to any matter or thing respecting which such oaths

or affirmation is required; or any person who, for the purpose of evading any rule, regulation or order made thereunder, shall intentionally make or cause to be made any false entry or statement of fact in any report required to be made by this act or by any rule, regulation or order made hereunder; or who, for such purpose, shall make or cause to be made any false entry in any account, record or memorandum kept by any person in connection with the provisions of this Act or any rule, regulation or order made thereunder; or who, for such purpose, shall omit to make or cause to be omitted, full, true and correct entries on such accounts, records, or memoranda, of all facts and transactions pertaining to the interest or activities in the oil and gas industry of such persons as may be required by the Board under authority given in this Act or by any rule, regulation or order made hereunder, or who, for such purpose, shall remove out of the jurisdiction of the state or mutilate, alter or by any other means falsify any book, record or other paper, pertaining to the transactions regulated by this Act or by any rule, regulation or order made hereunder, shall be deemed guilty of a misdemeanor and shall be subject, upon conviction in any court of competent jurisdiction to a fine of not more than Five Hundred (\$500) Dollars, or imprisonment in the county jail for a term of not more than six (6) months, or to both such fine and imprisonment.

Section 15. (a) Any person who violates any provision of this Act, or any rule, regulation or order of the Board made hereunder, shall, in the event a penalty for such violation is not otherwise provided for herein, be subject to a penalty of not to exceed One Thousand (\$1,000) Dollars a day for each and every day of such violation, and for each and every act of violation, such penalty to be recovered in a suit in the circuit court of the county where the defendant resides or in the county of the residence of any defendant if there be more than one defendant, or in the circuit court of the county where the violation took place. The place of suit shall be selected by the Board, and such suit, by direction of the Board, shall be instituted and conducted in the name of the State by the Attorney General or under his direction by the Circuit Solicitor of the circuit in which the suit is instituted. (b) Any person wilfully aiding or abetting any other person in the violation of any provision of this Act, or any rule, regulation or order made hereunder,

shall be subject to the same penalties as are prescribed herein for the violation by such other person.

Section 16. That Sections 5085, 5086, 5087, 5088, 5089, 5090, 5091, 5092, 5093, 5094, 5095, 5096, and 5097, of the 1923 Code of Alabama be and the same are hereby repealed, and all other laws or parts of laws in conflict with this Act, be and the same are hereby repealed.

Section 17. It is hereby declared to be the legislative intent to enact each separate provision of this Act independently of all other provisions, and the fact that any section, word, clause, sentence or part of this Act shall be declared unconstitutional shall in no event affect any other section, word, clause, sentence or part thereof unless otherwise stated herein.

Section 18. This Act shall take effect immediately upon its passage and approval by the Governor.

Approved July 10, 1940

GENERAL RULES AND REGULATIONS GOVERNING THE CONSERVATION OF OIL AND GAS IN ALABAMA

INTRODUCTION

Pursuant to power delegated by an Act of the Extra Session of 1940 of the Legislature of the State of Alabama (No. 645; S. 364 - Young), especially the power delegated by Section 6 thereof, the Oil and Gas Board of the State of Alabama, hereinafter designated as the "Board", hereby and herein makes and promulgates the following general rules and regulations which are found by the Board, after notice and hearing as required by law, held at Montgomery, Alabama, to be reasonably necessary to prevent present and imminent waste of oil and gas, as defined by law, and otherwise to carry out the purposes of said Act. These rules and regulations shall become effective November 1, 1940.

RULE 1. SIGN ON WELLS

Every well shall be identified by a sign, posted on the derrick if possible, otherwise on a substantial post prominently situated not more than twenty feet from such well, and such sign shall be of durable construction and the lettering thereon shall be kept in a legible condition and shall be large enough to be legible under normal conditions at a distance of fifty feet. The wells on each lease or property shall be numbered consecutively beginning with No. 1, unless some other system of numbering was adopted by the owner or driller prior to the adoption of these rules and regulations. Each sign shall show the number of the well, the name of the lease (which shall be different for each lease), the name of the leasee, owner or operator, and the location by quarter, section, township and range.

RULE 2. GENERAL SPACING RULES

Oil or gas wells shall not be drilled closer than 330 feet to any lease or property line or less than 660 feet from any other well. Plugged and abandoned wells shall not be considered in applying this rule.

The Board may, after notice and hearing, grant exceptions to this rule, provided such exceptions will create neither waste nor

hazards conducive to waste. Such exceptions may be granted when surface conditions render it impracticable without unreasonable expense to drill a well at a location in conformity with this rule, or when a separately owned tract is so small or so shaped that a location in conformity with this rule is impossible.

RULE 3. PIT FOR SHALE DRILL CUTTINGS REQUIRED

During the drilling of any well, all clay and soft shale drill cuttings shall be accumulated in an adequate pit provided before drilling is commenced, in order to insure a supply of proper material for mud-laden fluid to confine oil, gas or water to their native strata.

RULE 4. STRATA TO BE SEALED OFF

Before any oil or gas well is completed as a producer, all oil, gas and water strata above the producing horizon shall be sealed or separated in order to prevent their contents from passing into other strata.

RULE 5. WATER SHUT-OFFS

All water shall be shut off and excluded by a method approved by the Board from the various oil and gas bearing strata which are penetrated. Water shut-offs shall ordinarily be made by cementing casing or landing casing with or without the use of mud-laden fluid. Drilling shall not be resumed following the landing or cementing of each string of casing until proof is obtained satisfactory to the Board of a proper oil and gas and water shut-off.

RULE 6. PROTECTION OF FRESH AND ARTESIAN WATERS

All fresh waters and waters of present or probable future value for domestic, commercial or stock purposes shall be confined to their respective strata and shall be adequately protected by methods approved by the Board. Special precautions shall be taken in drilling and abandoning wells to guard against any loss of artesian water from the strata in which it occurs and the contamination of artesian water by objectionable water, oil or gas.

RULE 7. PROTECTION OF MINERAL DEPOSITS

Due precautions shall be taken during the drilling of a well, and in all subsequent operations, to protect any deposits of salt,

potash, coal and other minerals of probably commercial importance encountered in the well.

RULE 8. BLOW-OUT PREVENTION

In drilling in areas where high pressures are likely to exist, all proper and necessary precautions shall be taken for keeping the well under control, including the use of blow-out preventers and high pressure fittings attached to properly anchored and cemented casing strings.

RULE 9. OIL TANKS AND FIRE WALLS

Oil shall not be stored or retained in earthen reservoirs, or in open receptacles. All lease, stock and oil storage tanks shall be protected by a proper fire wall, which wall shall form a reservoir having a capacity one-third larger than the capacity of the enclosed tank or tanks. Such tanks shall not be erected, enclosed or maintained closer than 150 feet to the nearest producing well.

RULE 10. BURNING OF GAS

All gas produced in the operation of oil wells that cannot be utilized shall be burned.

RULE 11. NOTICE OF INTENTION TO DRILL

Before beginning drilling, the owner of the well shall give notice thereof by filing with the State Geologist in triplicate Form A-1, "Notice of Intention to Drill". A copy of the notice will be returned by the State Geologist to the applicant, on which will be noted the State Geologist's approval, with any modifications considered advisable, or the rejection of the plan submitted. Drilling shall not begin until the approval of the State Geologist is obtained and until a bond has been submitted and approved as required by Rule 23.

The information required on Form A-1 includes the name and number of the well, exact location, name and address of owner and drilling contractor, proposed or contracted depth, elevation of well above mean sea level and any additional pertinent information. A check or money order for \$25.00 made out to the State Treasurer should accompany this form when it is submitted. (See p. 333)

RULE 12. REPORT ON BEGINNING DRILLING OPERATIONS

Within ten days after drilling operations are begun, the owner of the well shall file with the State Geologist a report on Form A-2, "Report on Beginning Drilling Operations". This report shall give the date when operations were begun and any changes or additions to the program previously specified on Form A-1. This report shall be submitted in triplicate and signed and sworn to before a notary public. (See page 335)

RULE 13. SHOOTING AND CHEMICAL TREATING OF WELLS

Wells shall not be shot or chemically treated until the permission of the Board is obtained. Each well shall be shot or treated in such manner as will not cause injury to the sand, or result in water entering the oil or gas sand, and necessary precautions shall be taken to prevent injury to the casing. If shooting or chemical treating results in irreparable injury to the well or to the oil or gas sand, the well shall be properly plugged and abandoned.

RULE 14. NOTICE OF INTENTION TO SHOOT OR CHEMICALLY TREAT A WELL

Before shooting or chemically treating a well the owner shall file in triplicate with the State Geologist a notice to that effect on Form A-3, "Notice of Intention to Shoot or Chemically Treat Well". A copy will be returned to the owner on which will be noted the State Geologist's approval, with any modifications considered advisable, for the program submitted, or its rejection. The plan of work as approved shall be followed and work shall not begin until approval is obtained.

The notice shall give the name, number and location of the well, the present daily production of oil, gas and water, the detailed history of any water encountered, the name of the formation to be shot or chemically treated and its top and bottom depths, the depth at which the inner string of casing is set, the size and purpose of the shot or chemical treatment, and any additional pertinent information. (See page 336)

RULE 15. REPORT OF RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL

Within twenty days after shooting or chemical treatment of a well, a report shall be filed with the State Geologist in triplicate by the owner on Form A-4 "Report of Results of Shooting or Chemical Treatment of Well", giving the condition of the well after shooting or chemical treatment, the size and depth of the shot, or the amount of chemical used, the daily production of oil, gas and water after shooting or chemical treatment, name of the person rendering this service, and any other pertinent information. This report shall be signed and sworn to before a notary public. (See p. 337)

RULE 16. ABANDONING WELL

Before a well is abandoned, it shall be plugged in a manner which will confine permanently all oil, gas and water in the separate strata originally containing them. This operation shall be accomplished by the use of mud-laden fluid, cement and plugs, used singly or in combination as may be approved by the Board. The exact location of abandoned wells shall be shown by a steel marker at least four inches in diameter set in concrete and extending at least four feet above mean ground level.

RULE 17. NOTICE OF INTENTION TO ABANDON AND PLUG WELL

Before plugging a well, notice shall be given to the State Geologist by filing in triplicate Form A-5, "Notice of Intention to Abandon and Plug Well". A copy of the notice will be returned to the owner, on which will be given the approval of the State Geologist with any modifications considered essential. Work shall not begin until such approval is obtained. The notice shall give a detailed statement of the proposed work; including length and depth of plugs; plans for mudding, cementing, shooting, testing and removing casing; and the date of the proposed plugging operations. Before plugging any well, the owner shall give notice to all adjoining lease and property owners, and representatives of such adjoining lease and property owners may be present to witness the plugging if they so desire, but plugging shall not be delayed because of inability to deliver notice to adjoining lease or property owners. (See p. 338)

RULE 18. REPORT ON RESULTS OF PLUGGING WELL

Within ten days after plugging well, a record of the work done shall be filed in triplicate by the owner with the State Geologist on Form A-6, "Report on Results of Plugging Well". This report shall give the date the work was started and the date it was completed; a detailed account of the manner in which the work was performed; the nature and quantities of material used in plugging and the depths and lengths of the various plugs; records of any test or measurements made; the amount, size and depth of all casing left in the well; the volume and gravity of mud-laden fluid used; pressures retained in mudding; a complete record of any shooting done; and name, addresses and positions of all those in charge of the work. The report shall be signed and sworn to before a notary public. (See p. 339)

RULE 19. GENERAL WELL RECORDS

During the drilling of every well, the owner, operator, contractor, driller, or other person responsible for the conduct of drilling operations, shall keep at the well a detailed and accurate record of the well, reduced to writing from day to day, and such record shall be open for inspection at all times by the Oil and Gas Supervisor or his agent. A copy of such detailed record shall be submitted to the State Geologist within six months from the date of completion of the well, and such record shall be signed and sworn to before a notary public.

RULE 20. FINAL WELL RECORD

Within six months after the completion of a well, the complete record, duly signed and sworn to before a notary public, shall be filed in triplicate with the State Geologist on Form A-7, "Final Well Record". Questionable data included in this record should be followed by a question mark. This record shall include the name, number and location of the well; name and address of the well owner and drilling contractor; drilling dates; elevation of derrick above sea level; depth and thickness of oil or gas sands and important water sands; a full casing record; mudding and cementing record; shooting and treating record; plugs and adapters used; results of drill stem and other tests; record of deviation surveys; tools used; production record for first 24 hours; a complete electrical log, if such was taken, and any other pertinent information. (See p. 340)

RULE 21. LOG OF WELL

Within six months after the completion or abandonment of a well, a complete log duly signed and sworn to before a notary public, shall be filed in triplicate with the State Geologist on Form A-8, "Log of Well". The log shall specify the formations yielding water, the rate of water inflow, and the elevations to which water rose in the hole. It shall also give in detail the formations passed through, their depths and thickness. It shall give data regarding upper oil and gas shows, and any additional pertinent information.

RULE 22. NOTIFICATION OF FIRES AND BLOW-OUTS
AT WELL

Any person drilling or operating wells shall notify the State Geologist of fires or blow-outs which occur at oil and gas wells or tanks, owned, operated or controlled by them; tanks struck by lightning; other fires which destroy oil and gas; breaks or leaks in tanks from which oil or gas escaped or is escaping; and other serious accidents. Notification shall be by telephone or telegraph giving briefly the particulars and by letter giving a more detailed account of events and conditions. Such reports shall specify the location of the well or tank involved, giving the quarter, section, township and range. Notwithstanding any provisions of this rule, no report need be made of any loss of oil by leakage or breakage where less than 100 barrels of oil was lost.

RULE 23. BONDS

Any person who has drilled or is drilling or proposes to drill for oil or gas shall submit to the Board and obtain its approval of a bond, in a form approved by the Board, conditioned to plug such well, if dry or when abandoned, in such way as to confine the oil, gas and water, in the respective strata in which they are found, and prevent them from escaping into other strata, and also conditioned to file all records, reports, notices and logs required by Rules 14, 15, 16, 17, 18, 19, 20, and 21, or any subsequent rule, with the State Geologist. The bond shall be in an amount determined by the Board after taking into consideration the depth of the well and local conditions, but in no case shall the amount of the bond applicable to one well only be more than \$10,000.00. Each such bond shall be executed by a responsible surety company, authorized to

transact business in the State of Alabama, or by not less than two individual sureties, each of whom shall own real estate situated within the state and worth not less than twice the amount of the bond after deducting from the value of such property all exemptions and encumbrances. The ownership by each individual surety of property as aforesaid shall be evidenced to the Board by a certificate from the Tax Assessor of the county wherein the land is situated or by an affidavit made by any District Judge having jurisdiction over such County, or by the affidavits of not less than two responsible residents of the State of Alabama who have personal knowledge of the facts and so state in their affidavits. The Board reserves the right to decline to approve any bond with individual sureties. In cases where the principal on the bond is drilling or operating a number of wells within the State or proposes to do so such principal may, with the approval of the Board, submit a blanket bond conditioned as above provided, covering all wells which such person may at any time before such bond is released, drill or operate within this State. The amount of any such blanket bond shall not be less than \$10,000.00.

All liability on bonds conditioned for the plugging of a well or wells and the filing of records, notices, reports, and logs shall continue until the plugging of such well or wells is completed and approved and the necessary reports, records, notices, and logs are in the hands of the State Geologist.

The Board will, in writing, advise the principal and sureties of any bond conditioned to plug wells and to insure the filing of reports, as to whether the plugging is approved and the reports are filed, in order that, if the plugging is approved and the reports filed, liability under such bond may be formally terminated.

Forms of bonds which will be acceptable will be furnished by the Board.

RULE 24. NOTICE OF HEARINGS BY THE STATE OIL AND GAS BOARD

Before any hearing is held by the Board, notice shall be by personal service on the person or persons affected, or by publication once in a newspaper of general circulation published in Montgomery, Alabama, and once in a newspaper of general circulation published at Birmingham, Alabama, and once in a newspaper of general circulation published at Mobile, Alabama. Such notice

shall issue in the name of the "State Oil and Gas Board", and shall be signed by at least a majority of the members of the Board or by the Secretary of the Board, and it shall specify the number and style of the case and the time and place of hearing, shall briefly state the general nature of the order or orders, rule or rules, or regulation or regulations contemplated by the Board on its own motion or sought in a preceeding brought before the Board, the name of the petitioner or applicant, and, unless the order, rule or regulation is intended to apply to and affect the entire state, it shall specify or generally describe the common source or sources of supply that may be affected by such order, rule or regulation.

Such notice shall be given at least ten days before the hearing described in the notice is held.

RULE 25. PERMISSIBLE EXCEPTIONS TO THE RULES AND REGULATIONS

When emergencies arise during the drilling, operation or plugging of wells, and when compliance with the rules and regulations that are adopted by the Board will cause material unnecessary and avoidable delay and expense, the conditions may be communicated to the Board or its proper agents, with the request that an exception be made to meet the particular emergency. Such exception may be granted by majority vote of the Board.

RULE 26. ENFORCEMENT OF LAWS, RULES AND REGULATIONS DEALING WITH CONSERVATION OF OIL AND GAS

The oil and gas conservation laws and the general and special rules and regulations of the Board shall be enforced by the Board and its regularly authorized and legally constituted representatives.

RULE 27. NOTICE TO CONTRACTORS, DRILLERS AND OTHERS TO OBSERVE RULES

All contractors and drillers carrying on business or doing work in the State of Alabama, and also all lease holders, land owners and operators generally, are hereby directed to take notice of and comply with the rules and regulations of the Board.

Copies of all forms required in Rules 14, 15, 16, 17, 18, 19, 20, 21, and 23 may be obtained from the State Geologist, University, Alabama.

Form A-1

No. _____

(This number will be filled in by State Geologist and should always be used in correspondence relating to this well.)

NOTICE OF INTENTION TO DRILL

Notice must be given to the State Geologist and approval obtained before drilling begins. If changes in the proposed plan are considered advisable, a copy of this notice showing such changes will be returned to the sender. Submit this notice in triplicate. One copy will be returned following approval. See additional instructions in Rules and Regulations of the Board.

Place _____

Date _____

State Geologist,
University, Alabama.
Sir:

You are hereby notified that it is our intention to commence the drilling of a well to be known as _____

Well No. _____ in

Company or Operator _____

Lease _____

_____ of Sec. _____, T. _____, R. _____, _____ County.

N.

Area 640 acres
Locate well correctly

The well is _____ feet (N.) (S.) of the _____
line and _____ feet (E.) (W.) of the _____
line of _____

(Give location from section or other legal subdivision lines. Cross out wrong directions.)
The owner is: _____

Address: _____

The Lessee is: _____

Address _____

We propose to drill well with drilling equipment as following: _____

The status of a bond for this well in conformance with Rule 23 of the General Rules and Regulations of the Board is as follows: _____

We propose to use the following strings of casing and to land or cement them as indicated: _____

Size of Hole	Size of Casing	Weight Per Foot	New or Second Hand

Depth	Landed or Cemented	Sacks Cement	

If changes in the above plan become advisable we will notify you before cementing or landing casing. We estimate that the first productive oil or gas should occur at a depth of about _____ feet.

Additional information:

Sincerely yours,

Approved _____, 19____.

Except as follows:

Signed: _____
State Geologist

Company or Operator

By _____

Position _____

Send communications regarding well
to

Name _____

Address _____

Form A-2

No. _____

(This number will be filled in by State Geologist and should always be used in correspondence relating to this well.)

REPORT ON BEGINNING DRILLING OPERATIONS

Submit this notice in triplicate to the State Geologist within ten (10) days after drilling operations are begun.

Place_____
Date

State Geologist,
University, Alabama.

Sir:

Drilling operations on _____
briefly describe well

permission to drill which was granted on _____,
19 ____, on Form A-1, No. _____, were begun on _____,
19 _____. Elevation of derrick floor above sea level _____. The fol-
lowing changes should be made on Form A-1 to conform with our present
intentions: _____

Place_____
Date

Name _____

Position _____

Representing _____

Company or Operator

Address

Form A-3

No. _____

(This number will be filled in by State Geologist and should always be used in correspondence relating to this well.)

NOTICE OF INTENTION TO SHOOT OR CHEMICALLY TREAT WELL

Submit this notice in triplicate to the State Geologist before shooting or chemically treating well. A copy will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the State Geologist of the plan submitted. The plan as approved should be followed and work should not begin until approval is obtained.

Place _____

Date _____

State Geologist,
University, Alabama.

Sir:

You are hereby notified that it is our intention to (chemically treat)
(shoot) a well known as _____

Well No. _____

Company or Operator _____

Lease _____

in _____ of Sec. _____, T. _____, R. _____, _____ County,
permission to drill which was granted on Form A-1, No. _____. Present
daily production is: _____

Important water sands encountered were:

No. 1, from _____ to _____ feet. _____

No. 2, from _____ to _____ feet. _____

No. 3, from _____ to _____ feet. _____

No. 4, from _____ to _____ feet. _____

Formation to be shot or chemically treated: _____

_____ ft. _____ ft.

Name of Formation _____

top

bottom

Bottom depth of inner string casing _____

Size of shot or quantity of chemical _____

Purpose of shot or chemical treatment _____

Remarks _____

Sincerely yours, _____

Approved _____, 19____.

Company or Operator _____

Except as follows: _____

By _____

Position _____

Send communications regarding well
to _____

Signed _____

Name _____

State Geologist

Address _____

Form A-4

No.

(This number will be filled in by State Geologist and should always be used in correspondence relating to this well.)

REPORT ON RESULT OF SHOOTING OR CHEMICALLY TREATING WELL

Submit this report in triplicate to the State Geologist within ten (10) days after well is shot or chemically treated.

Place

Date

State Geologist,
University, Alabama.
Sir:

You are hereby notified that (chemically treating) (shooting) of well
(cross out one)

known as
Well No. in of Sec., T., R.,
..... County, permission to drill which was granted
on Form A-1, No., was completed on, 19
(Size of shot) (amount of chemical) used
Daily production of well after (shooting) (chemically treating)
This (shooting) (chemical treatment) was performed by
..... Address
Present condition of well

Remarks

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Subscribed and sworn before me
this day of, 19 .. .

Notary Public

My commission expires

Place

Date

Name

Position

Representing

Company or Operator

Address

Form A-5

No. _____

(This number will be filled in by State Geologist and should always be used in correspondence relating to this well.)

NOTICE OF INTENTION TO ABANDON AND PLUG WELL

Submit this notice in triplicate to State Geologist before abandoning or plugging well. A copy will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the State Geologist of the plan submitted. The plan as approved should be followed and work should not begin until approval is obtained.

Place _____

Date _____

State Geologist,
University, Alabama.
Sir:

You are hereby notified that it is our intention to abandon and plug a well known as _____

Well No. _____ in _____

Company or Operator _____ Lease _____
of Sec. _____, T. _____, R. _____, _____ County,
permission to drill which was granted on _____, 19____, on Form A-1,
No. _____.

Give full details of proposed plan of work including the following information: Length and depth of plugs; plans for mudding, cementing, testing and removing casing _____

Date of proposed operations _____, 19____.

NOTICE: The following is an excerpt from Rule 17 of the State Oil and Gas Board:

Before plugging any well, the owner shall give notice to all available adjoining lease and property owners, and representatives of such adjoining lease and property owners may be present to witness the plugging if they so desire, but plugging shall not be delayed because of inability to deliver notice to adjoining property owners.

Sincerely yours,

Approved _____, 19____

Company or Operator

Except as follows:

By _____

Position _____

Send communications regarding well
to

Signed _____

Name _____

State Geologist

Address _____

Form A-6

No. _____

(This number will be filled in by State
Geologist and should always be used in
correspondence relating to this well.)**REPORT ON RESULTS OF PLUGGING WELL**This report must be filed in triplicate with the State Geologist within
ten (10) days after plugging has been completed.

Place

Date

State Geologist,
University, Alabama.

Sir:

You are hereby notified of the completion of the plugging of a well
known as _____

Company or Operator

Lease

Well No. _____ in _____ of Sec. _____, T. _____, R. _____,

_____ County, permission to drill which was granted on _____
_____, 19____, on Form A-1, No. _____.

Date plugging was begun _____, 19____.

Date plugging was completed _____, 19____.

Give detailed account of the manner in which work was performed including
the following nature and quantities of materials used in plugging and the
depths and lengths of the various plugs; records of any tests or measure-
ments made; amount, size and depth of all casing left in the well; volume
and gravity of mud-laden fluid used, pressure retained in mudding _____

Give here a complete record of any shooting done.....

Name of person in charge of plugging
Address

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Subscribed and sworn to before me
on this day of Place Date
....., 19..... Name
..... Position
Notary Public Representing
..... Company or Operator

My commission expires Address

Form A-7

No.

(This number will be filled in by State Geologist and should always be used in correspondence relating to this well.)

WELL RECORD

Mail to State Geologist, University, Alabama, not more than six months after completion of well. Follow instructions in the Rules and Regulations of the Board. Indicate questionable data by following it with (?). Submit in triplicate.

.....
Company or Operator Lease
Well No. in of Sec.
T. R. County.
Well is feet south of the North line and feet west of the
East line of
The owner is Address
The Lessee is Address
Drilling commenced , 19;.. Drilling was completed
....., 19.....
Name of drilling contractor , Address
Elevation above sea level at top of casing feet.

OIL SANDS OR ZONES

No. 1, from to No. 4, from to
No. 2, from to No. 5, from to
No. 3, from to No. 6, from to

MUDDING AND CEMENTING

Size Of Hole	Size Of Casing	Where Set	No. Sacks Cement	Method Used

Mud Gravity	Amount Of Mud Used

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth Set _____
 Adapters—Material _____ Size _____

RECORD OF SHOOTING OR CHEMICAL TREATMENT

Size	Shell Used	Explosive Or Chemical Used	Quantity

Date	Depth Shot Or Treated	Depth Cleaned Out

Result of shooting or chemical treatment _____

If drill-stem or other special tests or deviation or electrical surveys were made, submit report on separate sheet and attach hereto.

BOND FOR PLUGGING OIL OR GAS WELL

STATE OIL AND GAS BOARD

KNOW ALL MEN BY THESE PRESENTS, That _____

Note: Princi-

pal will insert here whether individual, partnership or corporation. If cor-
 poration, specify in what State corporation is organized, and in what city
 it has its principal office and whether it is authorized to do business in the
 State of Alabama.

as principal and _____

as surety, are held hereby firmly bound unto the State of Alabama in the
 penal sum of \$ _____, lawful money of the United States, for the
 faithful payment of which we hereby bind ourselves, our heirs, executors,
 administrators, successors and assigns, jointly and severally, firmly by these
 presents.

The conditions of this obligation are of such that:

WHEREAS, the above bounden principal has heretofore commenced the
 drilling of a test well for oil or gas in the following described land:

Well No. _____ The description being as follows:

Section _____, Township _____, Range _____,
 _____ County, Alabama;

NOW THEREFORE if the above bounden principal and surety or
 either them or their heirs, executors, administrators, successors or assigns or
 any of them, shall plug said well, in accordance with the provisions of the
 laws of the State of Alabama and the rules, regulations and requirements
 of the State Oil and Gas Board, when dry or when abandoned, in such way
 as to confine the oil, gas and water in their respective strata in which they
 are found and to prevent them from escaping into other strata;

AND FURTHER if the above bounden principal and surety or either
 of them or their heirs, executors, administrators, successors or assigns shall
 file with the Geological Survey and the State Oil and Gas Board of Ala-
 bama, true and correct verified copies of well records and reports of said
 well as required by the State Oil and Gas Board, upon abandonment or
 upon determination that same is dry;

THEN THEREFORE, this obligation shall be null and void; otherwise and in default of complete compliance with any and all of said obligations, the same shall remain in full force and effect and the above stated penal sum be payable by said bounden principal and surety or their heirs executors, administrators, successors or assigns to the State of Alabama. When compliance has been made of all obligations hereinabove stated, the State Oil and Gas Board will release in writing this Bond and the principal and surety will be so notified.

IN TESTIMONY WHEREOF, WITNESS our hands this _____ day
of _____, 19____.

(Note: Principal, if corporation, af-
fix corporate seal here.)

IN TESTIMONY WHEREOF, WITNESS our hands, this the _____
day of _____, 19____.

(Note: Corporate surety affix cor-
porate seal here.)

APPROVED BY:

STATE OIL AND GAS BOARD
by:

Chairman

Witness to signature of Principal

Witness to signature of Surety

ALABAMA WELLS

Index	County	Company	Farm	Sec.	Twp.	Rge.	Total Depth
1.	Lauderdale	Thurston H. Allen	(?) No. 1	6	1S	9W	400'±
2.	Lauderdale	Thurston H. Allen	(?) No. 1	22	1S	10W	2760'
*3.	Lauderdale	Thurston H. Allen	(?) No. 2	33	1S	10W	1460'
4.	Lauderdale	Florence-Sheffield Oil & Gas Co.	(?) No. 1	1	3S	11W	800'
*5.	Lauderdale	A. D. Morton	O'Neal Est. No. 1	8	2S	13W	2525'
6.	Madison	Brown Ice & Coal	Brown No. 1	36	3S	1W	129'9"
7.	Madison	J. L. Caldwell	Joe McCord No. 1	30	1S	2E	105'
8.	Madison	W. W. Newman, Trustee	W. P. Nichols No. 1	2	6S	2E	1690'
9.	Madison	W. W. Newman, Trustee	W. P. Nichols No. 2	2	6S	2E	365'
10.	Madison	W. W. Newman, Trustee	W. P. Nichols No. 3	2	6S	2E	---
10a.	Madison	W. W. Newman, Trustee	W. P. Nichols No. 4	2	6S	2E	237'
11.	Madison	W. W. Newman, Trustee	Dunk Hill No. 4	2	6S	2E	295'
12.	Madison	New York-Alabama Oil Company	Apperson No. 1	35	3S	1W	330'
13.	Madison	New York-Alabama Oil Company	Bailes No. 1	3	4S	1W	285'
14.	Madison	New York-Alabama Oil Company	Campbell No. 1	3	4S	1W	315'
15.	Madison	New York-Alabama Oil Company	McCalley No. 1	3	4S	1W	600'
16.	Madison	New York-Alabama Oil Company	West Huntsville Land Co. No. 1	3	4S	1W	450'
17.	Madison	New York-Alabama Oil Company	West Huntsville No. 1	3	4S	1W	285'
*18.	Madison	New York-Alabama Oil Company	West Huntsville No. 2	3	4S	1W	2542'
19.	Madison	New York-Alabama Oil Company	West Huntsville No. 3	3	4S	1W	290'
20.	Madison	New York-Alabama Oil Company	Carter No. 1	18	1S	1E	300'±
*21.	Madison	New York-Alabama Oil Company	Morbet No. 1	33	1S	2E	1077'
22.	Madison	New York-Alabama Oil Company	Mosley No. 1	19	1S	1E	300'±
23.	Madison	New York-Alabama Oil Company	Overton No. 1	19	1S	1E	625'

WELL LOGS OF ALABAMA

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24. Madison	New York-Alabama Oil Company	Overton No. 2	19	1S	1E	1200'±
25. Madison	New York-Alabama Oil Company	Overton No. 3	19	1S	1E	310'
26. Madison	New York-Alabama Oil Company	Overton No. 4	19	1S	1E	375'
27. Madison	Payne & Dillon	Overton No. 5	18	1S	1E	310'
28. Madison	local interest	Bell Factory No. 1	6	3S	2E	300'
29. Madison	local interest	Gurley No. 1	11	4S	2E	1500'
30. Madison	Tennessee Valley Oil & Gas Co.	Gurley No. 2	11	4S	2E	(?)
31. Madison	Tennessee Valley Oil & Gas Co.	Fowlkes No. 1	12	4S	2E	700'
32. Madison	Tennessee Valley Oil & Gas Co.	Allison No. 1	13	4S	2E	1560'
33. Madison	Tennessee Valley Oil & Gas Co.	Hedford No. 1	13	4S	2E	375'
34. Madison	New York-Alabama Oil Company	Penny No. 1	10	4S	1W	350'
35. Madison	New York-Alabama Oil Company	Schollie No. 1	2	4S	1W	315'
36. Madison	Otis, et al	Moore No. 1	(31	3S	1E)	300'
37. Madison	Otis, et al	Moore No. 2	(6	4S	1E)	"
38. Madison	New York-Alabama Oil Company	East Huntsville No. 1	36	3S	1W	1200'
39. Madison	New York-Alabama Oil Company	Humes No. 2	25	3S	1W	(1200 to 1400)
40. Madison	New York-Alabama Oil Company	Humes No. 4	3	4S	1W	310'
41. Jackson	(?)	(?) No. 1	18	1S	9E	350'
42. Jackson	(?)	N. G. Wimberly No. 1	6	2S	8E	500'±
43. Jackson	Tennessee Valley Oil & Gas Co.	Martin No. 1	17	4S	3E	1700'
44.* Colbert	P. H. Ligon	Fee No. 1	7	5S	10W	700'±
45.* Colbert	Livingston Oil	Chisca No. 1	28	3S	14W	1577'
46.* Colbert	Dr. R. L. Montgomery, et al	Spring Valley No. 1	12	5S	11W	1800'
47.* Colbert	F. F. Mellen & Raymond Gear	Mrs. W. B. Alsobrook No. 1	10	4S	15W	1000'
48. Colbert	Woodward O & G	Littlefield No. 1	27	5S	11W	1679½'
49. Colbert	Woodward & Brown	(?) No. 1	31	5S	10W	2800'

Note: * indicates log.

ALABAMA WELLS—(Continued)

Index	County	Company	Farm	Sec.	Twp.	Rge.	Total Depth
50.*	Colbert	(?)	Sheffield No. 1	26	3S	11W	1550'
51.	Franklin	Miss Emma Mining Co.	Woodward No. 1	15	7S	11W	1400'
52.	Franklin	Miss Emma Mining Co.	Woodward No. 1	28	6S	11W	1300'
53.	Franklin	E. O. Heath	Hester No. 1	4	6S	12W	drlg
54.*	Franklin	S. A. Hobson	J. L. Moss No. 1	26	8S	14W	2609'
55.*	Franklin	Pittsburg O. & D.	Hobson-Phinn No. 1	26	8S	14W	4000'
56.*	Franklin	United Oil Co.	Frankfort No. 1	7	6S	12W	2005'
57.*	Franklin	Woodward Oil Co.	(?) No. 1	16	7S	11W	2560'
58.*	Lawrence	Fidelity O. & G.	Rob Jacobs No. 1	11	7S	7W	1500'
59.	Lawrence	(?)	(?) No. 1	31	6S	6W	350'
60.	*Lawrence	Lawrence County Oil & Dev. Co.	Horton No. 1	23	6S	6W	1344'
61.	Lawrence	Lawrence County Oil & Dev. Co.	Horton No. 2	14	6S	6W	1520'
*62.	Lawrence	Greater Huntsville Oil & Gas Co.	Sandlin No. 1	24	7S	6W	2001'
63.	Lawrence	Jonathan Watson	Watson No. 1	26	8S	6W	700'±
64.	Lawrence	Jonathan Watson	Watson No. 2	26	8S	6W	700'±
65.	Lawrence	D. V. Mann	W. R. Jackson No. 1	30	7S	6W	
*66.	Lawrence	Moulton Valley Oil Company	Prewitt (Goyer) No. 1	29	7S	6W	2120'
67.	Lawrence	Moulton Valley Oil Company	Prewitt (Goyer) No. 3	29	7S	6W	1700'±
68.	Lawrence	Moulton Valley Oil Company	Prewitt (Goyer) No. 4	29	7S	6W	1700'±
69.	Lawrence	Moulton Valley Oil Company	Prewitt (Goyer) No. 2	29	7S	6W	1565'
70.	Lawrence	Moulton Valley Oil Company	(Goyer) No. 5	32	7S	6W	(?)
71.	Lawrence	Moulton Valley Oil Company	Goyer No. 6 (No Spot)	?	?	?	(?)
*72.	Morgan	Albany-Decatur Oil Company	English No. 1	6	6S	4W	4130'
*73.	Morgan	Hartselle O & G Co.	(?) No. 1	10	7S	4W	1730'

ALABAMA WELLS—(Continued)

Index	County	Company	Farm	Sec.	Twp.	Rge.	Total Depth
*101.	Lamar	DeSoto O & G Co.	Gardner No. 1	22	15S	16W	4886'
*102.	Lamar	Fred Morck	Guin No. 1	25	12S	14W	2000'
103.	Fayette	Knapp, et al	J. A. Ward No. 1	26	13S	13W	60'
*104.	Fayette	(?)	J. J. Jones No. 1	7	14S	11W	414'
*105.	Fayette	J. O. Shepherd	Berry No. 1	17	16S	10W	854'
*106.	Fayette	J. O. Shepherd	Berry No. 2	17	16S	10W	1515'
107.	Fayette	Providence Oil & Gas Co. (7)	Renfro No. 1	36	15S	13W	750' ?
*108.	Fayette	Sinclair Oil Co.	Bessemer Coal Iron & Land Co.				
*109.	Fayette	Sinclair Oil Co.	No. 1	11	17S	11W	3349'
			Bessemer Coal Iron & Land Co.				
*110.	Fayette	Alabama Central O. & G. Co.	No. 2	25	16S	11W	3665'
*111.	Fayette	Alabama Central O. & G. Co.	Freeman No. 1	21	16S	11W	2964'
*112.	Fayette	S. A. Hobson	Wood No. 1	4	16S	11W	1685'
113.	Fayette	Providence Oil & Gas Co. (14)	J. H. Willingham No. 1	10	16S	11W	321'
*114.	Fayette	Providence Oil & Gas Co. (21)	W. S. Harkins No. 1	10	16S	11W	2050'
*115.	Fayette	Five Rivers O & G Company	W. S. Harkins No. 2	10	16S	11W	2068'
*116.	Fayette	Providence Oil & Gas Co. (20)	Fowler-No. 1 Maddox	27	16S	12W	2385'
*117.	Fayette	Providence Oil & Gas Co. (18)	W. G. Clifton No. 1	13	16S	12W	2275'
118.	Fayette	S. A. Hobson	Lewis-Cazzier No. 1	11	16S	12W	1986'
*119.	Fayette	Providence Oil & Gas Co. (19)	J. A. Lewis No. 1	2	16S	12W	214'
*120.	Fayette	Providence Oil & Gas Co. (23)	E. B. Newton No. 1	3	16S	12W	2102'
*121.	Fayette	Providence Oil & Gas Co. (2)	Sparks & Sparks No. 1	3	16S	12W	1707'
122.	Fayette	B. L. Fillingame	B. W. Spiller No. 1	10	16S	12W	1328'
			Harbin No. 1	3	16S	12W	drlg

*123.	Fayette	Providence O. & G. Co. (No. 4)	J. D. B. Hooper No. 1	4	16S	12W	1265'
*124.	Fayette	Providence O. & G. Co. (17)	J. M. McConnell No. 1	5	16S	12W	1652'
*125.	Fayette	Providence Oil & Gas Co. (36)	W. A. Ayers No. 1	5	16S	12W	1700'
*126.	Fayette	Providence Oil & Gas Co. (37)	T. F. Lindsey No. 1	8	16S	12W	1448'
127.	Fayette	Osborn, et la	Cannon-West No. 1	18	16S	12W	950'
*128.	Fayette	Five Rivers O. & G. Co.	T. E. Goodwin No. 1	17	16S	12W	967'
*129.	Fayette	Providence Oil & Gas Co. (31)	J. M. Williamson No. 1	16	16S	12W	1428'
*130.	Fayette	Providence Oil & Gas Co. (33)	J. M. Williamson No. 2	16	16S	12W	1550'
*131.	Fayette	Fayette O. & G. Co.	Kennedy No. 1	17	17S	13W	1650'
*132.	Fayette	Cosmos Oil Co.	J. R. Strong No. 1	9	16S	12W	711'
*133.	Fayette	Fayette Gas Co.	W. A. Anderson No. 1	8	16S	12W	1513'
*134.	Fayette	Providence Oil & Gas Co. (12)	J. R. Strong No. 4	16	16S	12W	1544'
*135.	Fayette	Providence Oil & Gas Co. (13)	J. R. Strong No. 5	16	16S	12W	999'
*136.	Fayette	Providence Oil & Gas Co. (30)	J. R. Strong No. 6	16	16S	12W	1473'
*137.	Fayette	Providence Oil & Gas Co. (29)	W. R. Strong No. 1	8	16S	12W	1433'
*138.	Fayette	S. A. Hobson	J. R. Strong No. 1	9	16S	12W	457'
139.	Fayette	Fred Morck (No Spot)	W. J. Whitley No. 1	10	16S	12W	(?)
*140.	Fayette	Providence Oil & Gas Co. (16)	W. A. Anderson No. 1	8	16S	12W	1509'
*141.	Fayette	Providence Oil & Gas Co. (35)	Anderson-Burns No. 1	8	16S	12W	1450'
*142.	Fayette	Providence Oil & Gas Co. (34)	W. V. Burns No. 1	8	16S	12W	1470'
*143.	Fayette	Providence Oil & Gas Co. (3)	W. M. Cannon No. 1	8	16S	12W	2300'±
*144.	Fayette	Providence Oil & Gas Co. (22)	R. M. Roberts No. 1	9	16S	12W	1616'
*145.	Fayette	Providence Oil & Gas Co. (1)	J. V. Sprinkle No. 1	9	16S	12W	1417'
*146.	Fayette	Providence Oil & Gas Co. (6)	J. V. Sprinkle No. 2	9	16S	12W	1497'
*147.	Fayette	Providence Oil & Gas Co. (8)	J. V. Sprinkle No. 3	9	16S	12W	1415'
*148.	Fayette	Providence Oil & Gas Co. (10)	J. V. Sprinkle No. 4	8	16S	12W	1475'
*149.	Fayette	Providence Oil & Gas Co. (15)	J. V. Sprinkle No. 5	8	16S	12W	1422'

Note: * indicates log.

(No Spot)=Not on Map.

ALABAMA WELLS—(Continued)

Index	County	Company	Farm	Sec.	Twp.	Rge.	Total Depth
*150.	Fayette	Providence Oil & Gas Co. (25)	J. V. Sprinkle No. 6	9	16S	12W	2190'
*151.	Fayette	Providence Oil & Gas Co. (26)	J. V. Sprinkle No. 7	8	16S	12W	1470'
*152.	Fayette	Providence Oil & Gas Co. (27)	J. V. Sprinkle No. 8	9	16S	12W	1430'
*153.	Fayette	Providence Oil & Gas Co. (28)	J. V. Sprinkle No. 9	9	16S	12W	1450'
*154.	Fayette	Providence Oil & Gas Co. (32)	J. V. Sprinkle No. 10	9	16S	12W	1663'
*155.	Fayette	Providence Oil & Gas Co. (5)	J. R. Strong No. 1	9	16S	12W	2020'
*156.	Fayette	Providence Oil & Gas Co. (9)	J. R. Strong No. 2	16	16S	12W	1470'
*157.	Fayette	Providence Oil & Gas Co. (11)	J. R. Strong No. 3	9	16S	12W	1551'
158.	Fayette	Providence Oil & Gas Co. (10-A) (No Spot)	J. V. Sprinkle No. 4-A (No Spot)	8	16S	12W	(?)
159.	Fayette	Providence Oil & Gas Co. (24) (No Spot)	W. S. Harkins No. 3	10	16S	11W	(?)
160.	Walker	Champlin Refg. Co.	Galloway Coal Co. No. 1	12	13S	10W	
*161.	Walker	Pennsylvania Oil & Gas Co.	(?) No. 2	28	15S	8W	2775'
162.	Walker	Railway Fuel Co.	(?) No. 1	16	15S	7W	1700'±
163.	Walker	Railway Fuel Co.	(?) No. 2	16	15S	7W	(?)
*164.	Walker	Mrs. Houghton, et al	(?) No. 2	7	15S	6W	1200'
*165.	Walker	Mrs. Houghton, et al	(?) No. 1	8	15S	6W	1441'
*166.	Walker	Haskill, et al	(?) No. 1	22	15S	6W	2600'±
*167.	Walker	Pratt Consolidated Coal Co.	(?) No. 1	19	16S	5W	3135'
*168.	Walker	Tennessee Coal Iron & RR. Co.	(?) No. 1	27	15S	5W	3133'6"
*169.	Walker	Pennsylvania Oil & Gas Co.	(?) No. 1	28	14S	7W	4015'
*170.	Walker	Pennsylvania Oil & Gas Co.	Long Est. No. 5	21	14S	7W	1952'
171.	Walker	Pennsylvania Oil & Gas Co.	Long Est. No. 6	21	14S	7W	(?)

172.	Walker	Pennsylvania Oil & Gas Co.	Long Est. No. 2	21	14S	7W	2200'±
*173.	Walker	Pennsylvania Oil & Gas Co.	Long Est. No. 1	22	14S	7W	3004'
*174.	Walker	Pennsylvania Oil & Gas Co.	Long Est. No. 4	22	14S	7W	1875'
*175.	Walker	Pennsylvania Oil & Gas Co.	Long Est. No. 3	21	14S	7W	1812'
*176.	Jefferson	Dixie Gas Co.	Wham No. 1	33	18S	2W	2500'
*177.	Jefferson	Frank B. Clark	(?) No. 2	32	19S	3W	2600'
*178.	Jefferson	Frank B. Clark	(?) No. 1	29	19S	3W	2035'
*179.	Jefferson	Pratt Consolidated Coal Co.	(?) No. 1	36	16S	6W	3350'
*180.	Jefferson	Tennessee Coal Iron & RR. Co.	(?) No. 2	1	15S	5W	1480'
*181.	Jefferson	Woodward Iron Co.	(?) No. 4	18	17S	4W	4100'
182.	Jefferson	Woodward Iron Co.	(?) No. 1 (No Spot)	?	-	?	547'2"
183.	Calhoun	McClellan	(?) No. 1	30	13S	9E	1600'
*184.	Tuscaloosa	A. B. Aldridge	Tuskegee Properties No. 1	11	17S	8W	1012'
185.	Tuscaloosa	A. B. Aldridge	Tuskegee Properties No. 1	21	17S	8W	1175'
*186.	Tuscaloosa	Central Iron & Coal Company	(?) No. 1	31	19S	7W	1000'
*187.	Tuscaloosa	Sinclair O & G Co.	Friedman-Loveman No. 1	2	18S	9W	2950'
*188.	Greene	Johnston & Hawkins	Willis No. 1	11	20N	1E	2616'
*189.	Greene	Willis & Payne	R. C. Lett No. 1	6	21N	2E	1208'
190.	Greene	Willis & Payne	R. C. Lett No. 2	11	21N	2E	115'
*191.	Hale	Hale O & G Co.	W. M. Wedge No. 1	11	21N	3E	1490'
192.	Sumter	(?)	(?) No. 1	33	18N	1W	1140'
193.	Sumter	B. W. Bates	Belmont No. 1	3	18N	1E	655'
194.	Sumter	B. W. Bates	Belmont No. 2	3	18N	1E	1030'
*195.	Montgomery	Montgomery Oil Co.	Snowdown No. 1	29/30	15N	18E	2007'
196.	Wilcox	McWilliams Oil & Gas Company	McWilliams No. 1	9	10N	10E	1806'
*197.	Wilcox	O'Brien Bros.	R. J. Doak No. 1	21	11N	5E	2562'
*198.	Clarke	Magnolia Pet Co.	Scotch Lbr. Co. No. 1	17	10N	3E	6010'

Note: * indicates log.

(No Spot)=Not on Map.

ALABAMA WELLS—(Continued)

Index	County	Company	Farm	Sec.	Twp.	Rge.	Total Depth
*199.	Clarke	Alabama Oil Co.	Mitchell No. 1	26	8N	1W	3400'
*200.	Clarke	Mutual & Keoughan Oil Co.	McCorquodale No. 2	35	8N	1W	3695'
201.	Clarke	Mutual & Keoughan Oil Co.	McCorquodale No. 1	35	8N	1W	1751'
*202.	Clarke	G. J. Greer et al	Maehr No. 1	9	7N	1E	3511'
*203.	Clarke	S. A. Hobson	Bolen No. 1	17	7N	1E	740'
*204.	Clarke	T. G. Bush & Co.	(?) No. 1	27	7N	1E	800'±
*205.	Clarke	Edgar Oil Co.	Bumpus No. 1	26	7N	1E	1201'
*206.	Clarke	S. A. Hobson	Salt Mountain No. 1	34	6N	2E	924'
*207.	Clarke	Ramsey Pet. Corp. et al	Hobson-Boykin No. 1	33	6N	2E	4534'
*208.	Choctaw	C. W. Robinson et al	Long Bell Lbr. Co. No. 1	28	10N	4W	4020'
*209.	Choctaw	Empire Gas and Fuel Company	Bollinger No. 1	13	9N	3W	4015'
*210.	Choctaw	Joe Modisett (Union Prod. Co.)	G. T. McCorvey No. 1	20	9N	2W	9626'
*211.	Choctaw	Trowbridge et al	(?) No. 1	29	9N	2W	1345'
*212.	Choctaw	Robinson & Greer	Douglas Oil Co. No. 1	15	9N	2W	4028'
213.	Washington	S. A. Hobson	Hobson Bros. No. 1	9	8N	2W	1450'
*214.	Washington	South Alabama Oil & Gas Co.	Wilson Est. No. 1	26	7N	1W	3590'
215.	Washington	S. A. Hobson	Wilson Est. No. 1	27	7N	1W	1310'
216.	Washington	St. Stephens Oil Co.	(?) No. 1	27	7N	1W	2006'
*217.	Washington	Arkansas Fuel Oil Company	McClure Pine Lbr. Co. No. 1	4	5N	2W	6112'
*218.	Washington	Texon Drfg. Co.	Stallworth Naval Stores No. 1	25	5N	4W	5510'
*219.	Washington	Danciger O. & R. Co.	R. C. Avent No. 1	25	5N	4W	4865'
220.	Washington	Boykin well	(?) No. 1	31	4N	1E	3015'
		Oscar Brown	U. S. Land and Cotton Co. No. 1	26	3N	2W	1160'
		Oscar Brown	U. S. L. & C. Co. No. 2	25	3N	2W	700'
222.	Washington	Oscar Brown					

*223.	Monroe	Beatrice Oil Co.	Ivey No. 1	24	9N	8E	3006'
*224.	Monroe	Jagers Oil Co.	D. C. Garrett No. 1	17	9N	11E	3053'
*225.	Monroe	C. O. Jagers	B. H. Stallworth No. 1	36	10N	10E	2770'
*226.	Conceh	Ray L. Estabrook et al	T. R. Miller Lbr. Co. No. 1	1	4N	12E	4833'
*227.	Escambia	Gulf Refg. Co.	H. D. Ewing et al No. 1	9	1N	5E	1515'
*228.	Escambia	Escambia Oil Co.	State Line Land & Bbr. Co. No. 1	24	1N	10E	6025'
*229.	Escambia	Roberts well	(?) No. 1	5	2N	12E	1640'
*230.	Covington	Geometer Producing Company	A. B. Culbreath No. 1	8	2N	14E	6306'
*231.	Pike	Alabama Oil & Dev. Co.	Jacob Hill No. 1	35	8N	19E	2691'
*232.	Pike	Ala. O. & D. Co.	Jacob Hill No. 2	36	8N	19E	2288'
*233.	Barbour	W. B. Hinton	J. S. Creel No. 1	14	9N	26E	5546'
*234.	Barbour	H. A. Stebinger	A. S. Robertson No. 1	19	10N	26E	5215'
*235.	Geneva	(?)	(?) No. 1	28	1N	22E	900'±
*236.	Houston	Columbia Oil Co.	State School Land No. 1	8	2N	29E	2150'
*237.	Houston	Intercoastal Oil Co.	McNair No. 1	23	3N	29E	2650'
*238.	Houston	Intercoastal Oil Co.	McNaid No. 2	23	3N	29E	3100'
*239.	Houston	Rice O. & G. Co.	Oakley Est. No. 1	9	3N	29E	3440'
*240.	Houston	Rice O. & G. Co.	Oakley Est. No. 2	9	3N	29E	5214'
*241.	Houston	J. R. Sealy	Fee No. 1	23	1N	27E	3100'
*242.	Baldwin	Baldwin County Oil & Dev. Co.	Fitzhugh No. 1	22	8S	4E	1513'
*243.	Baldwin	Baldwin County Oil & Dev. Co.	Thompson No. 1	22	8S	4E	2687'
*244.	Baldwin	Bay Minette Dev. Company	(?) No. 1	21	2S	3E	1400'
*245.	Baldwin	Danciger Oil & Refg. Company	Fort Morgan No. 1	1	9S	1E	2564'
*246.	Baldwin	Danciger Oil & Refg. Company	Fort Morgan No. 2	1	9S	1E	2953'
*247.	Baldwin	H. H. Givens et al	Brill No. 1	10	6S	5E	2110'
*248.	Baldwin	Mamie S. McCurry et al	Southern Kraft No. 1	28	2S	4E	5027'
*249.	Mobile	W. B. Patterson Oil Company	Wilmer No. 1	12	3S	4W	2000'

Note: * indicates log.

(No Spot)=Not on Map.

ALABAMA WELLS—(Continued)

Index	County	Company	Farm	Sec.	Twp.	Rge.	Total Depth
250.	Mobile	Mobile Gas Co.	Dawes et al No. 1	23	3S	3W	1920'
*251.	Mobile	J. E. Spence	Jarvis-Meachen No. 1	23	3S	3W	1788'
*252.	Mobile	Ohio Oil Co.	James Bethel No. 1	34	3S	2W	5351'
*253.	Mobile	R. C. Avent et al	Chickasaw No. 1	27	3S	1W	3718'
*254.	Mobile	R. C. Avent et al	Chickasaw No. 2	27	3S	1W	3157'
255.	Mobile	R. C. Avent	Chickasaw No. 3	9	4S	1W	(?)
256.	Mobile	W. B. Patterson Oil Company	Cottage Hill No. 1	5	5S	2W	1400'±
257.	Mobile	Co-operative Oil & Gas Company	(?) No. 1	5	4S	2W	(?)
258.	Mobile	Mobile-Pennsylvania Oil-Mining & Dev. Company, Inc.	(?) No. 1	30	4S	2W	(?)
259.	Mobile	Continental Oil & Gas Company	(?) No. 1	21	4S	2W	(?)
*260.	Mobile	Mobile Oil Co.	Coden No. 1	31	4S	1W	1526'
261.	Mobile	Cottage Hill Oil Company	McVoy No. 1	32	4S	2W	2200'
262.	Mobile	Cottage Hill Oil Company	McVoy No. 2	32	4S	2W	2800'
*263.	Mobile	Mobile Oil Co.	(?) No. 1	32	4S	2W	1892'
*264.	Mobile	Foster & Foster	Clark Davis No. 1	5	5S	2W	4106'
*265.	Mobile	Mobile Oil Co.	(?) No. 2	33	4S	2W	3030'
266.	Mobile	Alabama Gulf Oil & Gas Co.	J. W. McAlpine No. 1	33	4S	2W	3000'
267.	Mobile	Alabama Gulf Oil & Gas Co.	J. W. McAlpine No. 2	33	4S	2W	2200'
268.	Mobile	Tom Daly et al	Fort No. 1	2	6S	4W	6518'
*269.	Mobile	B. L. McClanahan	Stafford No. 1	24	7S	3W	6707'
*270.	Mobile	J. C. Prine	King No. 1	4	1N	4W	3185'
271.	Mobile	J. C. Prine	King No. 2	4	1N	4W	1638'
272.	Mobile	J. C. Prine	M. & O. R.R. Co. No. 1	33	2N	4W	3810'

273.	Mobile	Mobile Oil Co.	(?) No. 1	31	2N	2W	(?)
274.	Mobile	Mobile Oil Co.	(?) No. 2	31	2N	2W	1960'
275.	Madison	New York-Alabama Oil Co.	McDonald No. 1 (No Spot)	?	?	?	340'

WATER WELLS

Barbour	City of Eufaula	water well	32	11N	29E	1171'6"
Barbour	Eufaula Oil & Gin Co.	water well	32	11N	29E	950'
*Clarke	Layne-Bowler	water well	23-24	11N	3E	1537'
Cullman	Cullman	water well	10-15	10S	3W	715'
Cullman	Cullman	water well	10-15	10S	3W	1320'
Fayette	City of Fayette	water well	6	16S	12W	500'—
*Marengo	Cates	water well	10	15N	2E	1140'
*Marengo	Gunneth Bros.	water well	29	15N	2E	1449'
*Marengo	Linden	water well	5	15N	3E	1193'
*Mobile	Mobile Brewery	water well	22?	4S	1W	800'
*Mobile	U. S. Government	water well	?	9S	1W	919'
Montgomery	City of Sprague	water well	4	13N	18E	1100'
*Montgomery	Parker's west well	water well — City of Montgomery				1091'
Pickens	W. D. King	water well	5	23N	3W	903'
*Pike	City of Troy	water well	18	10N	21E	2632½'
*Sumter	Allison Lbr. Co.	water well (No Spot)	?	?	?	1040'
*Sumter	Allison Lbr. Co.	water well	13	17N	2W	1010'
*Sumter	City of Livingston	water well	33	19N	2W	1062'
*Wilcox	Camden Cotton Oil Company	water well	8	12N	8E	1235'

Note: * indicates log.

(No Spot) = Not on Map

